JOURNAL OF
POLYMER SCIENCE

Combined Author Index to Volume 45

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 45, 2007. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

Aamer, K. A.
—; Tew, G. N.: RAFT Polymerization of a Novel Activated Ester Monomer and Conversion to a Terpyridine-Containing Homopolymer, 5618C
—; Tew, G. N.: Synthesis, Dynamic Light Scattering, and Luminescence Properties of Copolymers Containing Iridium(III) Bisterpyridine in the Side Chain, 1109C
Abe, Y. See Gunji, T., 3273C
Abetz, V. See Boschetti-de-Fierro, A., 3197P
Abraham, G. A. See Buffa, F., 490P
Abraham, S.
—; Choi, J. H.; Ha, C.-S.; Kim, I.: Synthesis of Star Polymers via Nitroxide Mediated Free-Radical Polymerization: A "Core-First" Approach Using Resorcinarene-Based Alkoxyamine Initiators, 5559C
—; Ha, C.-S.; Batt, C. A.; Kim, I.: Synthesis of Stable "Gold Nanoparticle–Polymeric Micelle" Conjugates: A New Class of Star "Molecular Chimera" That Self-Assemble into Linear Arrays of Spherical Micelles, 3570C
Accurso, A. A. See Liu, Y., 5182C
Adachi, C. See Mikroyannidis, J. A., 4661C
Adamczyk, S. See Tsami, A., 4773C
Ade, H. See Hub, C., 2270P
Adler, H.-J. See Gupta, S., 669C
Adler, M. See Szablan, Z., 1931C
Advincula, R. C. See Ji, H., 3949C
Agag, T. See Gacal, B., 2774C
—; Takeichi, T.: High-Molecular-Weight AB-Type Benzoxazines as New Precursors for High-Performance Thermosets, 1878C
Agari, Y.
—; Sakai, K.; Kano, Y.; Nomura, R.: Preparation and Properties of the Biodegradable Graded Blend of Poly(L-lactic acid) and Poly(ethylene oxide), 2972P
Aguilar-Vega, M. See Carrera-Figueiras, C., 2083P
Ahn, T. See Lee, S. K., 1199C, 3380C
Aiki, Y. See Na, H.-S., 2867C
Ajayan, P. M. See Lastella, S., 758P
Ak, M. See Turkarslan, O., 4496C
Akaba, M. See Kaito, A., 1959P
Akasaka, S. See Sekine, R., 5916C
Akhmedov, I. M. See Turkarslan, O., 4496C
Akiyama, Y.
—; Shibahara, Y.; Takeda, S.-I.; Izumi, Y.; Honda, Y.; Tagawa, S.; Nishijima, S.: Analysis of Swelling Process of Protein by Positron Annihilation Lifetime Spectroscopy and Differential Scanning Calorimetry, 2031P
Albers, D. R. See So, Y.-H., 1868C
Alberti, E. See Ricci, G., 4635C, 5339C
Albertsson, A.-C. See Redin, T., 5552C; Strandberg, C., 1848C
Albuerne, J. See Boschetti-de-Fierro, A., 3197P
Alcalá, R. See Forcén, P., 1899C
Aldabbagh, F. See McHale, R., 2194C, 4394C
Alexandre, M. See Pluta, M., 2770P
Al-Harthi, M.
—; Cheng, L. S.; Soares, J. B. P.; Simon, L. C.: Atom-Transfer Radical Polymerization of Styrene With Bifunctional and Monofunctional Initiators: Experimental and Mathematical Modeling Results, 2212C
Ali, V. See Ameen, S., 2682P
Ali, Z.
—; Badr, Y.; Eisa, W.: Spectroscopic Studies of Structural Changes in Irradiated LDPE and Its Blends, 850P
Alidedeoglu, A. H.
—; Dutta, S.; Misra, R.; Rawlins, J. W.; Morgan, S. E.: Copolymerization of *Sec*-Butenyl Acetate with Styrene via Emulsion Polymerization, 3191C
Alla, A. See de Paz, Ma Violante, 4109C; Regaño, C., 116P
Allonas, X. See Lalevée, J., 2436C, 2494C
Al-Mulla, A.
—; Mathew, J.; Shanks, R.: Isothermal Crystallization Studies of Poly(butylene terephthalate) Composites, 1344P
Alshuth, T. See Alvarez, G. A., 91P
Altinkaya, S. A. See Wong, S.-S., 930P; Yurekli, Y., 1996P

Altintas, O.
—; Yankul, B.; Hizal, G.; Tunca, U.: One-Pot Preparation of 3-Miktoarm Star Terpolymers Via Click [3 + 2] Reaction, 3588C
Alvarez, G. A.
—; Quintero, M. W.; Eckert-Kastner, S.; Alshuth, T.; Reinecke, H.: Measurement of High Frequency Linear Viscoelastic Functions of a Nitrile-Butadiene Rubber Compound by Ultrasound Spectroscopy, 91P
Álvarez, L. P. See Martínez, V. S., 3833C
Alzari, V. See Mariani, A., 4514C
Amass, A. J. See Lemmouchi, Y., 2235C, 3966C, 3975C
Ameduri, B. See Kostov, G., 3843C; Sauguet, L., 1814C
Ameen, S.
—; Ali, V.; Zulfequar, M.; Haq, M. M.; Husain, M.: DC Conductivity and Spectroscopic Characterization of Binary Dopant (ZrO_2/AgI)-Doped Polyaniline, 2682P
Aminabhavi, T. M. See Prathab, B., 1260P
Amir, N.
—; Levina, A.; Silverstein, M. S.: Nanocomposites Through Copolymerization of a Polyhedral Oligomeric Silsesquioxane and Methyl Methacrylate, 4264C
An, L. See Yu, X., 147C; Zheng, H., 2609C
An, Y. See Jiang, X., 2812C
Anantawaraskul, S.
—; Jirachaithorn, P.; Soares, J. B. P.; Limtrakul, J.: Mathematical Modeling of Crystallization Analysis Fractionation of Ethylene/1-Hexene Copolymers, 1010P
Ananthamurthy, S. See Raghu, A., 2555P
Anastassopoulos, D. L. See Koutsioubas, A. G., 2060P
Andersson, T. See Wiedmer, S. K., 2655P
Ando, D. See Nemoto, T., 543C
Ando, S. See Liu, J.-G., 5606C
Andreu, R.
—; Lligadas, G.; Ronda, J. C.; Galià, M.; Cádiz, V.: Synthesis and Thermal Crosslinking of Oxazolidine-Functionalized Polyurethanes, 4965C
Anthamatten, M. See Zou, L., 3747C
—: Phase Behavior Predictions for Polymer Blends Containing Reversibly Associating Endgroups, 3285P
Antić, M. P. See Antić, V. V., 2246C
Antić, V. V.
—; Antić, M. P.; Govedarica, M. N.; Dvornić, P. R.: Kinetics and Mechanism of the Formation of Poly[(1,1,3,3-tetramethyldisiloxanyl) ethylene] and Poly (methyldecylsiloxane) by Hydrosilylation, 2246C
Ao, Y.
—; He, J.; Han, X.; Liu, Y.; Wang, X.; Fan, D.; Xu, J.; Yang, Y.: Kinetic Analysis of the Cross Reaction between Dithioester and Alkoxyamine by a Monte Carlo Simulation, 374C
Aoshima, S.
—; Yoshida, T.; Kanazawa, A.; Kanaoka, S.: New Stage in Living Cationic Polymerization: An Array of Effective Lewis Acid Catalysts and Fast Living Polymerization in Seconds, 1801C
Aoyama, Y. See Kato, M., 677P
Aqad, E. See Percec, V., 4974C
Arasa, M.
—; Ramis, X.; Salla, J. M.; Mantecón, A.; Serra, A.: FTIR/ATR Study of the Copolymerization of Diglycidyl Ether of Bisphenol A with Methyl-Substituted γ-Lactones Catalyzed by Rare Earth Triflate Initiators, 2129C
Arda, E.
—; Kara, S.; Pekcan, Ö.: A Photon Transmission Study for Film Formation From Poly(vinyl acetate) Latex Particles With Different Molecular Weights, 2918P
Arends, P. See Guo, Q., 2614P
Arimitsu, K. See Gunji, T., 3273C
Arnould, M. A. See Wyzgoski, F. J., 2161C
Arosio, P. See Ricci, G., 5339C
Asai, K. See Obata, M., 2876C
Asano, M.
—; Chen, J.; Maekawa, Y.; Sakamura, T.; Kubota, H.; Yoshida, M.: Novel UV-Induced Photografting Process for Preparing Poly(tetrafluoroethylene)-Based Proton-Conducting Membranes, 2624C
Asano, Y. See Ochiai, B., 2820C
Asua, J. M. See Goikoetxea, M., 5838C; Herrera, V., 2484C
Auvergne, R.
—; Saint-Loup, R.; Joly-Duhamel, C.; Robin, J. J.; Boutevin, B.: UV Curing of a Novel Resin Derived From Poly(ethylene terephthalate), 1324C
Avallone, A. See Chen, J.-T., 2912P
Avérous, L. See Chivrac, F., 1503P
Avila-Ortega, A.
—; Vázquez-Torres, H.: Living Anionic Polymerization of 2-Vinyldibenzothiophene: Homopolymer and Block Copolymers with Styrene, 1993C
Azam, A. K. M. F.
—; Kamigaito, M.; Okamoto, Y.: Asymmetric Radical Polymerization and Copolymerization of *N*-(1-Pheny ldibenzosuber yl)methacrylamide and Its Derivative Leading to Optically Active Helical Polymers, 1304C

Badami, A. S. See Lee, H.-S., 4879C; Wang, H., 284C
Badel, T.
—; Beyou, E.; Bounor-Legaré, V.; Chaumont, P.; Flat, J. J.; Michel, A.: Melt Grafting of Polymethyl Methacrylate onto Poly(ethylene-*co*-1-octene) by Reactive Extrusion: Model Compound Approach, 5215C
Badr, Y. See Ali, Z., 850P
Bae, J. H. See Shanmugharaj, A. M., 460C
Baek, J.-B. See Jeon, I.-Y., 5112C
Baer, E. See Jin, Y., 1138P, 1788P
Bafna, A.
—; McFaddin, D.; Beaucage, G.; Merrick-Mack, J.; Mirabella, F. M.: Integrated Mechanism for the Morphological Structure Development in HDPE Melt-Blown and Machine-Direction-Oriented Films, 1834P
Bagui, M. See Xie, B., 5123C
Bai, R. See Hua, D., 2847C; Zheng, H., 2609C

Bai, S. J. See Huang, J.-W., 988P
Bai, Z. See Yoonessi, M., 2813P
Bailly, C. See Jansen, M. A. G., 882C
Bajer, K. See Kaczmarek, H., 903P
Baker, G. L. See Jiang, X., 5227C
Balart, R. See Sanchis, R. M., 2390P
Balik, C. M. See Martínez, G., 2503C
Balin, T. B. See Bianchini, J. R., 1296C
Balk, L. J. See Tsami, A., 4773C
Balsamo, V.
—; Gouveia, L. M.: Interplay of Fractionated Crystallization and Morphology in Polypropylene/Poly (ε-caprolactone) Blends, 1365P
Ban, H. T. See Ishihara, T., 5731C
—; Nishii, K.; Tsunogae, Y.; Shiono, T.: Synthesis and Characterization of Norbornene–Ethylene–Styrene Terpolymers with a Substituted *ansa*-Fluore nylamidodimethyltitanium-Based Catalyst, 2765C
Bandyopadhyay, A. See Biswas, A., 5529C
Bandyopadhyay, S. See Mohanty, B., 1511P
Bao, C. Y. See Jin, M., 3460C
Bao, Z. See Yang, H., 1303P
Barandiaran, M. J. See Goikoetxea, M., 5838C
Barbasiewicz, M. See Gstrein, X., 3494C
Barberis, V. P. See Mikroyannidis, J. A., 1016C, 809C
Barbiroli, G. See Celli, A., 1053P
Barbosa, S. E. See Martini, R. E., 455P
Bardajee, G. R. See Felorzabihi, N., 2333P
Barner, L. See Joso, R., 3482C
Barner-Kowollik, C. See Joso, R., 3482C; Nguyen, T. L. U., 3256C; Szablan, Z., 1931C
Barra, M. See Roviello, A., 1758C
Bartsch, E. See Suresh, K. I., 2823P
Baschetti, M. G. See Fossati, P., 1637P
Baśko, M.
—; Kubisa, P.: Polyester Oligodiols by Cationic AM Copolymerization of L,L-Lactide and ε-Caprolactone Initiated by Diols, 3090C
Basso, N. R. S. See Carone, C. L. P., 5199C
Bates, F. S. See Lan, Q., 2284P; Switek, K. A., 361C
Batt, C. A. See Abraham, S., 3570C
Batta, G. See Nagy, M., 5149C
Battocchio, C. See Fratoddi, I., 3311C
Beaucage, G. See Bafna, A., 1834P
Beaulieu, M. See Ranganathan, T., 4573C
Bech, L.
—; Meylheuc, T.; Lepoittevin, B.; Roger, P.: Chemical Surface Modification of Poly(ethylene terephthalate) Fibers by Aminolysis and Grafting of Carbohydrates, 2172C
Beda, T.
—; Modeling Hyperelastic Behavior of Rubber: A Novel Invariant-Based and a Review of Constitutive Models, 1713P
Bednarek, M.
—; Jankova, K.; Hvilsted, S.: Novel Polymers Based on Atom Transfer Radical Polymerization of 2-Methoxyethyl Acrylate, 333C
Bedrov, D. See Smith, G. D., 627P
Behera, G. C.
—; Ramakrishnan, S.: Dramatic Effect of Solvent on the NMR Spectral Resolution of Hyperbranched Polyethers, 1474C
Belbachir, M. See Haouas, M., 3060P
Bell, B. M. See So, Y.-H., 1868C
Bell, C. A. See Lonsdale, D. E., 3620C
Benicewicz, B. C. See Li, Y., 4300C
Benson, S.
—; Payne, B.; Waymouth, R. M.: Synthesis and Reactivity of Allyl Nickel(II) *N*-Heterocyclic Carbene Enolate Complexes, 3637C
Berg, R. H. See Lohse, B., 4401C
Bergman, G. See Ritums, J. E., 723P
Berlinova, I. V.
—; Iliev, P. V.; Vladimirov, N. G.; Novakov, C. P.: Polymerization and Self-Assembly of Thermally Responsive In-Chain Functionalized Double-Hydrophilic Macromonomers, 4720C
Bershtein, V. A. See Karabanova, L. V., 963P
Berti, C. See Celli, A., 1053P
Bertin, D. See Lopez, R. G., 2705C
Bertini, F. See Ricci, G., 4635C, 5339C
Beuermann, S.
—; Imran-ul-Haq, M.: Homogeneous Phase Polymerization of Vinylidene Fluoride in Supercritical Carbon Dioxide, 5626C
Beyou, E. See Badel, T., 5215C
Bhadra, S.
—; Singha, N. K.; Chattopadhyay, S.; Khastgir, D.: Effect of Different Reaction Parameters on the Conductivity and Dielectric Properties of Polyaniline Synthesized Electrochemically and Modeling of Conductivity Against Reaction Parameters Through Regression Analysis, 2046P
Bhat, N. V. See Seshadri, D. T., 1127P
Bhattarai, A. See Nandi, P., 1765P
Bhimaraj, P. See Yang, H., 747P
Bhole, Y. S.
—; Karadkar, P. B.; Kharul, U. K.: Effect of Substituent Polarity, Bulk, and Substitution Site Toward Enhancing Gas Permeation in Dibromohexafluorobisphenol-A Based Polyarylates, 3156P
Bhowmick, A. K. See Biswas, A., 5529C; Datta, H., 1661C; Ganguly, A., 52P
Bhuiyan, M. T. I. See Karim, M. R., 5741C
Bi, W. See Li, S., 5459C; Shi, L., 4477C
Biagini, S. C. G.
—; Parry, A. L.: Investigation into the ROMP Copolymerization of Peptide- and PEG-Functionalized Norbornene Derivatives, 3178C
Bian, J. See Shyr, T.-W., 405P
Bianchini, D. See Velilla, T., 5480C
Bianchini, J. R.
—; Saito, K.; Balin, T. B.; Dua, V.; Warner, J. C.: Thymine-Based, Water-Soluble Phototerpolymers: Their

Preparation and Synthesis, 1296C
Biasucci, M. See Roviello, A., 1758C
Bicerano, J. See Ginzburg, V. V., 2123P
Bicu, I.
—; Mustata, F.: Polymers from a Levopimaric Acid–Acrylic Acid Diels–Alder Adduct: Synthesis and Characterization, 5979C
Bidali, S. See Mariani, A., 2204C
Biedroń, T.
—; Kubisa, P.: Chain Transfer to Ionic Liquid in an Anionic Polymerization of Methyl Methacrylate, 4168C
Bikiaris, D. N. See Papadimitriou, S., 5076C
Bin, Y. See Zhu, D., 1037P
Binder, W. H. See Kluger, C., 485C
Birot, M. See Lépine, O., 4193C
Bisatto, R. See Carone, C. L. P., 5199C
Biswas, A.
—; Bandyopadhyay, A.; Singha, N. K.; Bhowmick, A. K.: Chemical Modification of Metallocene-Based Polyolefinic Elastomers by Acrylic Acid and Its Influence on Physico-Mechanical Properties: Effect of Reaction Parameters, Crystallinity and Pendant Chain Length, 5529C
Bjerrum, N. J. See He, R., 2989C
Bo, Z. See Li, J., 1084C; Sun, M., 111C; Xiao, X., 2410C; Xu, G., 4696C
Boccia, A. C. See Ricci, G., 5339C
Boeriu, C. G. See Huijbrechts, A. A. M. L., 2734C
Boglia, A. See Ricci, G., 5339C
Bohidar, H. B. See Mohanty, B., 1511P
Boisson, C. See Lopez, R. G., 2705C
Boisson, F. See Lopez, R. G., 2705C
Bollack-Benoit, V. See Ribour, D., 3941C
Bomal, Y. See Chenal, J. M., 955P
Boo, W. J.
—; Sun, L.; Liu, J.; Moghbelli, E.; Clearfield, A.; Sue, H.-J.; Pham, H.; Verghese, N.: Effect of Nanoplatelet Dispersion on Mechanical Behavior of Polymer Nanocomposites, 1459P
Boone, Jr., D. See Verploegen, E., 3263P
Boone, H. W. See Hall, Jr., H. K., 4751C
Bordado, J. C. M. See Danieldda-Silva, A. L., 3034P
Börner, H. See Gallyamov, M. O., 2368P
Bornhorst, K. See Kricheldorf, H. R., 1699C, 5597C
Borodin, O. See Smith, J. S., 1599P
Boschetti-de-Fierro, A.
—; Fierro, D.; Albuerne, J.; Funari, S. S.; Abetz, V.: Thermal Monitoring of Morphology in Triblock Terpolymers with Crystallizable Blocks, 3197P
Botines, E.
—; Casas, M. T.; Puiggalí, J.: Alternating Poly(ester amide)s of Glycolic Acid and ω-Amino Acids: Crystalline Morphology and Main Crystallographic Data, 815P
Bouhier, M.-H.
—; Cormack, P. A. G.; Graham, S.; Sherrington, D. C.: Synthesis of Densely Branched Poly(methyl methacrylate)s via ATR Copolymerization of Methyl Methacrylate and Ethylene Glycol Dimethacrylate, 2375C
Bounds, C. See Jiménez, Z., 3009C
Bounor-Legaré, V. See Badel, T., 5215C
Boutevin, B. See Auvergne, R., 1324C; Boyer, C., 395C; Sauguet, L., 1814C
Boutevin, G. See Boyer, C., 395C
Bowes, A.
—; Mcleary, J. B.; Sanderson, R. D.: AB and ABA Type Butyl Acrylate and Styrene Block Copolymers via RAFT-Mediated Miniemulsion Polymerization, 588C
Bowman, C. N. See Carioscia, J. A., 5686C; Kilambi, H., 1287C
Boyer, C.
—; Boutevin, G.; Robin, J.-J.; Boutevin, B.: Synthesis of Macromonomers of Acrylic Acid by Telomerization: Application to the Synthesis of Polystyrene-*g*-Poly(acrylic acid) Copolymers, 395C
Boyer, S. A. E.
—; Grolier, J.-P. E.; Yoshida, H.; Iyoda, T.: Effect of Interface on Thermodynamic Behavior of Liquid Crystalline Type Amphiphilic Di-Block Copolymers, 1354P
Branciforti, M. C.
—; Sencadas, V.; Lanceros-Mendez, S.; Gregorio, Jr., R.: New Technique of Processing Highly Oriented Poly(vinylidene fluoride) Films Exclusively in the β Phase, 2793P
Braslau, R. See Hill, N. L., 2341C; Ruehl, J., 2015C
Brass, D. A. See Flory, A. L., 3361P
Breteler, M. R. T.
—; Zhong, Z.; Dijkstra, P. J.; Palmans, A. R. A.; Peeters, J.; Feijen, J.: Ring-Opening Polymerization of Substituted e-Caprolactones with a Chiral (Salen) Al*O*i*P*r Complex, 429C
Brignole, E. A. See Martini, R. E., 455P
Brinson, L. C. See Ramanathan, T., 2097P
Brittain, W. J.
—; Minko, S.: A Structural Definition of Polymer Brushes, 3505C
Brokken-Zijp, J. C. M. See Soloukhin, V. A., 2147P
Brown, H. R. See Lukey, C. A., 1282C
Brucato, V. See La Carrubba, V., 2688P
Bruchmann, B. See Scholl, M., 5494C
Brüll, R. See Luruli, N., 2956P
Brus, J. See Janata, M., 4074C
Bryaskova, R.
—; Willet, N.; Debuigne, A.; Jérôme, R.; Detrembleur, C.: Synthesis of Poly(vinyl acetate)-*b*-Polystyrene and Poly(vinyl alcohol)-*b*-Polystyrene Copolymers by Cobalt-Mediated Radical Polymerization, 81C
—; Willet, N.; Degée, P.; Dubois, P.; Jérôme, R.; Detrembleur, C.: Copolymerization of Vinyl Acetate with 1-Octene and Ethylene by Cobalt-Mediated Radical Polymerization, 2532C
Buback, M.
—; Frauendorf, H.; Günzler, F.; Vana, P.: Initiation of Radical Polymerization by

Peroxyacetates: Polymer End-Group Analysis by Electrospray Ionization Mass Spectrometry, 2453C

Bucknall, C. B.
—; Quantitative Approaches to Particle Cavitation, Shear Yielding, and Crazing in Rubber-Toughened Polymers, 1399P

Budy, S. M. See Iacono, S. T., 5705C

Buffa, F.
—; Abraham, G. A.; Grady, B. P.; Resasco, D.: Effect of Nanotube Functionalization on the Properties of Single-Walled Carbon Nanotube/Polyurethane Composites, 490P

Buhler, E.
—; Candau, S. J.; Schmidt, J.; Talmon, Y.; Kolomiets, E.; Lehn, J.-M.: Fibrillar Structure of Self-Assemblies Formed from Heterocomplementary Monomers Linked through Sextuple Hydrogen-Bonding Arrays, 103P

Buono, A. See Roviello, A., 1758C

Burdukovskiy, V. F.
—; Mognonov, D. M.; Farion, I. A.: Chapman Rearrangement in the Synthesis of Aromatic Polyamides, 4656C

Burgess, J. O. See Xu, X., 99C

Burgueño, R. See Miyagawa, H., 698P

Burke, N. A. D.
—; Mazumder, M. A. J.; Hanna, M.; Stöver, H. D. H.: Polyelectrolyte Complexation Between Poly(methacrylic acid, sodium salt) and Poly(diallyld imethylammonium chloride) or Poly[2-(methacryloyl-oxyethyl) trimethyl-ammonium chloride], 4129C

Burrows, H. D. See Rubio, F., 1788C

Burtscher, D. See Gstrein, X., 3494C

Buruiana, E. C.
—; Buruiana, T.; Melinte, V.; Zamfir, M.; Colceriu, A.; Moldovan, M.: Synthesis of Oligomeric Urethane Dimethacrylates with Carboxylic Groups and Their Testing in Dental Composites, 1956C

Buruiana, T. See Buruiana, E. C., 1956C

Busfield, J. J. C. See Kumar, P., 3169P

Cadenato, A. See Fernández-Francos, X., 16C, 5446C

Cádiz, V. See Andreu, R., 4965C; Canadell, J., 1920C, 1980C, 4211C; Spontón, M., 2142C

Cai, H. See Zhong, S., 2871P

Cai, L. See Zhang, L., 2617C

Cai, X. See Lu, C., 1976P

Cai, Y. See Jiang, P., 2947C; Liu, H., 1446C; Yin, H., 5091C

Cai, Z.-Q.
—; Sun, J.; Wang, D.; Zhou, Q.: Studies on Curing Kinetics of a Novel Combined Liquid Crystalline Epoxy Containing Tetramethylbiphenyl and Aromatic Ester-Type Mesogenic Group with Diaminodiphenylsulfone, 3922C
—; Sun, J.; Zhou, Q.; Xu, J.: Synthesis and Characterization of a Novel Liquid-Crystalline Epoxy Resin Combining Biphenyl and Aromatic Ester-Type Mesogenic Units, 727C

Calberg, C. See Grignard, B., 1499C

Calvo, O. See Sanchis, R. M., 2390P

Cameron, N. R. See Leber, N., 4043C; Spain, S. G., 2059C

Campbell, T. D.
—; Washington, R. P.; Steinbock, O.: Electric-Field-Controlled Synthesis of HPMA Hydrogels Containing Self-Organized Arrays of Micro-Channels, 2593C

Campbell, V. E.
—; Paoprasert, P.; Mykietyn, J. D.; In, I.; McGee, D. J.; Gopalan, P.: Linear and Branched Fluoroazo-Benzene Chromophores with Increased Compatibility in Semifluorinated Polymers, 3166C

Canadell, J.
—; Mantecón, A.; Cádiz, V.: Crosslinking of a Polyacrylate Bearing a Spiroorthoester Pendant Group with Mixtures of Diglycidyl Ether of Bisphenol A and Phosphorus-Containing Glycidyl Derivatives, 1920C
—; Mantecón, A.; Cádiz, V.: Novel Silicon-Containing Spiroorthoester to Confer Combined Flame Retardancy and Low Shrinkage Properties to Epoxy Resins, 4211C
—; Mantecón, A.; Cádiz, V.: Synthesis of a Novel Bis-Spiroorthoester Containing 9,10-Dihydro-9-oxa-10-phosphaphenantrene-10-oxide as a Substituent: Homopolymerization and Copolymerization with Diglycidyl Ether of Bisphenol A, 1980C

Candau, S. J. See Buhler, E., 103P

Canetti, M. See Ricci, G., 4635C

Cao, H. See Liu, Y., 4867C

Cao, L.
—; Chen, L.; Lai, W.: Precipitation Copolymerization of *N*-isopropylacrylamide and Acrylic acid in Supercritical Carbon Dioxide, 955C

Cao, N.
—; Wang, X.; Song, L.; Zhang, Z. C.: Nanopore Microspheres Prepared by a Cationic Surfmer in the Miniemulsion Polymerization of Styrene, 5800C

Cao, S. See Liu, Y., 4867C

Cao, Y. See Liu, Z., 756C; Peng, Q., 1632C; Wang, E., 4941C

Cárdenas, M. A.
—; Villarreal, N.; Gobernado-Mitre, I.; Merino, J. C.; Pastor, J. M.: Characterization of Electron Beam Irradiation Blends Based on Metallocene Ethylene-1-Octene Copolymer, 2432P

Carella, A. See Centore, R., 2719C; Roviello, A., 1758C

Carfagna, C. See Cerruti, P., 840P

Caria, G. See Mariani, A., 2204C, 4514C

Carioscia, J. A.
—; Schneidewind, L.; O'Brien, C.; Ely, R.; Feeser, C.; Cramer, N.; Bowman, C. N.: Thiol–Norbornene Materials: Approaches to Develop High T_g Thiol–Ene Polymers, 5686C

Carlini, C. See Galletti, A. M. R., 1134C

Carlson, R. M. K. See Ghosh, A., 1077P

Carnasciali, M. M. See Corsini, P., 2568P

Carone, C. L. P.
—; Crossetti, G. L.; Basso, N. R. S.; Moraes, Álvaro G. O.; dos Santos, J. H. Z.; Bisatto, R.; Galland, G. B.: Ethylene Polymerization and Copolymerization with 10-undecen-1-ol Using the Catalyst System DADNi(NCS)$_2$/MAO, 5199C
Carpenter, K. J. See Jiang, Y., 5697C
Carrera-Figueiras, C.
—; Aguilar-Vega, M.: Gas Permeability and Selectivity of Benzophenone Aromatic Isophthalic Copolyamides, 2083P
Carroll, W. M. See McHale, R., 4394C
Carter, K. R. See Jhaveri, S. B., 1575C
Caruso, F. See Tjipto, E., 4341C
Casas, M. T. See Botines, E., 815P
Cascone, A. See Pucciariello, R., 936P
Cassinese, A. See Roviello, A., 1758C
Castagnet, S. See Roguet, E., 3046P
Castillo, L. F. D. See Compañ, V., 1798P
Catala, J.-M. See Sciannamea, V., 1219C
Cavaillé, J. Y. See Masenelli-Varlot, K., 1243P
Celli, A.
—; Barbiroli, G.; Berti, C.; Francesco, D. C.; Lorenzetti, C.; Marchese, P.; Marianucci, E.: Thermal Properties of Poly(alkylene dicarboxylate)s Derived from 1,12-dodecanedioic Acid and Even Aliphatic Diols, 1053P
Centore, R.
—; Riccio, P.; Fusco, S.; Carella, A.; Quatela, A.; Schutzmann, S.; Stella, F.; De Matteis, F.: Nonlinear Optical Properties of Regioregular Main-Chain Polyesters, 2719C
Cerrada, M. L. See Sánchez-Chaves, M., 1026P
—; Rodríguez-Amor, V.; Pérez, E.: Effects of Clay Nanoparticles and Electron Irradiation in the Crystallization Rate of Syndiotactic Polypropylene, 1068P
Cerruti, P.
—; Laurienzo, P.; Malinconico, M.; Carfagna, C.: Thermal Oxidative Stability and Effect of Water on Gas Transport and Mechanical Properties in PA6-EVOH Films, 840P
Chadwick, J. C. See Huang, R., 4054C
Chakraborty, K. See Lemmouchi, Y., 2235C, 3966C, 3975C
Chambon, S.
—; Rivaton, A.; Gardette, J.-L.; Firon, M.; Lutsen, L.: Aging of a Donor Conjugated Polymer: Photochemical Studies of the Degradation of Poly[2-methoxy-5- (3′,7′-dimethyloctyloxy)-1,4-phenylenevinylene] , 317C
Chan, S.-C.
—; Kuo, S.-W.; She, H.-S.; Lin, H.-M.; Lee, H.-F.; Chang, F.-C.: Supramolecular Aggregations through the Inclusion Complexation of Cyclodextrins and Polymers with Bulky End Groups, 125C
Chan, S. W. P. See Puskas, J. E., 1778C
Chang, C. H. See Lin, Y. H., 3231C
Chang, C.-J.
—; Wu, M.-S.; Kao, P.-C.: Effect of Monomer Structures and Preparation Methods on the Morphology and Properties of UV Cured Organic–Inorganic Hybrid Films, 1152P
Chang, C.-W. See Liou, G.-S., 2004C
Chang, F.-C. See Chan, S.-C., 125C; Huang, J.-M., 644P; Liaw, D.-J., 2367C; Wang, Y.-Z., 502P; Yei, D. R., 1781P
Chang, G. See Yu, L., 1122C
Chang, J.
—; Ho, A.; Chin, W.-K.: Behaviors of the Positive Temperature Coefficient of Resistance of Poly(styrene-*co*-*n*-butylacrylate) Filled with Ni-Plated Core-Shell Polymeric Particles, 322P
Chang, K. See Switek, K. A., 361C
Chang, S.
—; Xie, T.; Yang, G.: Effects of Elastomer on Morphology, Flammability and Rheological Properties of HIPS/PS-encapsulated Mg(OH)$_2$ Composites, 2023P
Chang, W. See Xu, Z., 942C
Chang, Y.-H. See Yei, D.-R., 1781P
Chattopadhyay, D. K. See Kumari, S., 2673C
Chattopadhyay, S. See Bhadra, S., 2046P
Chaumont, P. See Badel, T., 5215C
Chazeau, L. See Chenal, J. M., 955P; Ramier, J., 286P
Chen, C. See Rao, X., 4844C; Xu, G., 4696C
Chen, D. See Ge, Z., 1432C; Peng, Q., 5296C
Chen, E.-C. See Wu, T.-M., 4647C
Chen, E. Y.-X. See Mariott, W. R., 2581C
Chen, F. See Han, H., 3986C
Chen, G.
—; Ma, Y.; Zheng, X.; Xu, G.; Liu, J.; Fan, J.; Shen, D.; Qi, Z.: Wide Angle X-ray Diffraction and Fourier Transform Infrared Dichroism Studies of Stretched-Recovery-Restretched Process of Polyurethane/Clay Nanocomposite, 654P
Chen, G. See Li, W., 3550C; Lu, W., 860P
Chen, H. See Gao, J., 5380C; Li, S., 5459C; Shi, L., 4477C
—; Wu, J.: Specific Essential Work of Fracture of Polyurethane Thin Films with Different Molecular Structures, 1418P
Chen, H.-H. See Hsiue, G.-H., 688C
Chen, J. See Asano, M., 2624C; Liu, Z., 756C
—; Yang, D.: Rhythmic Growth of Ring-Banded Spherulites in Blends of Liquid Crystalline Methoxy-Poly(aryl ether ketone) and Poly(aryl ether ether ketone), 3011P
Chen, J.-T.
—; Zhang, M.; Yang, L.; Collins, M.; Parks, J.; Avallone, A.; Russell, T. P.: Templated Nanostructured PS-*b*-PEO Nanotubes, 2912P
Chen, K. See Xu, H., 1150C
Chen, L. See Cao, L., 955C; Chen, S., 873C; Xie, Z., 1737C
—; Hu, T.; Yu, H.; Chen, S.; Pojman, J. A.: First Solvent-Free Synthesis of Poly(*N*-methylolacrylamide) via Frontal Free-Radical Polymerization, 4322C
Chen, M. See Cheng, X., 3431C; Qiao, X., 1028C

Chen, Q.-Q. See Pu, K.-Y., 3776C
Chen, R.-J. See Wang, J.-C., 519P
Chen, S. See Chen, L., 4322C; Zhang, X., 59C
—; Hu, J.; Liu, Y.; Liem, H.; Zhu, Y.; Liu, Y.: Effect of SSL and HSC on Morphology and Properties of PHA Based SMPU Synthesized by Bulk Polymerization Method, 444P
—; Hu, T.; Tian, Y.; Chen, L.; Pojman, J. A.: Facile Synthesis of Poly(hydroxyethyl Acrylate) by Frontal Free-Radical Polymerization, 873C
—; Yin, Y.; Kita, H.; Okamoto, K.-I.: Synthesis and Properties of Sulfonated Polyimides from Homologous Sulfonated Diamines Bearing Bis(amino phenoxyphenyl)sulfone, 2797C
Chen, S.-C. See Liu, Y.-L., 4161C
Chen, S.-H.
—; Chen, Y.; Shiau, C.-S.; Tsai, C.-J.: Synthesis and Optical and Electrochemical Properties of Copolymers Consisting of 9,9-Dihexylfluorene and Aromatic Triazole Chromophores, 136C
Chen, S.-Y. See Yang, S.-H., 3440C
Chen, T. See Lu, C., 1976P
—; Zhang, L.; Li, T.; Lin, J.; Lin, S.: Phase Equilibria of Polymer Dispersed Liquid Crystal Systems in the Presence of an External Electrical Field, 1898P
Chen, W.
—; Wang, T.; Lickfield, G. C.: Molecular Modeling of Cellulose in Amorphous State. III. An Innovative Elastomeric Crosslink System, 1821P
Chen, W.-C. See Cheng, K.-F., 5872C; Lin, H.-Y., 1727C; Liou, G.-S., 3292C; Wu, W.-C., 67P
Chen, W.-Y. See Wang, Y.-Z., 502P
Chen, X. See Deng, C., 3218C; Hu, X., 5518C; Lu, C., 3204C; Niu, Y., 5050C; Ping, P., 557P; Xie, Z., 1737C; Yang, G.-Z., 976P
—; Matsuo, G.; Ohtani, B.; Tsujii, K.: Polymerization Behaviors of Racemic and Chiral Amphiphilic Monomers in Organized Bilayer Membranes of Lamellar Liquid Crystalline Phase, 4891C
—; Ozisik, R.; Kumar, S. K.; Choi, P.: Influence of Stereoerrors on the Formation of Helices During Early Stage Crystallization of Isotactic Polyproyplene, 3349C
Chen, X.-F. See Gao, L.-C., 5949C; Sun, L.-M., 2543C
Chen, Y. See Chen, S.-H., 136C; He, X., 4733C; Liu, H., 1177C; Liu, Q., 3330C; Pu, K.-Y., 3776C; Su, W.-F., 4377C; Tsai, C., 211C; Tsai, L.-R., 4465C, 5541C; Yeh, K.-M., 2259C; Zhang, Y., 3303C, 3994C
—; Li, H.: Mechanism for Effect of Ultrasound on Polymer Melt in Extrusion, 1226P
Chen, Y.-H. See Wang, J.-C., 519P
Chen, Y.-Y.
—; Lin, H.-C.: Synthesis and Characterization of Light-Emitting Main-Chain Metallo-Polymers Containing Bis-Terpyridyl Ligands with Various Lateral Substituents, 3243C
Chen, Z. See Liu, Y., 4867C
—; Gu, Q.; Zou, H.; Zhao, T.; Wang, H.: Molecular Dynamics Simulation of Water Diffusion Inside an Amorphous Polyacrylate Latex Film, 884P
Chen, Z.-K. See Tang, W., 5266C
Chenal, J. M.
—; Chazeau, L.; Bomal, Y.; Gauthier, C.: New Insights into the Cold Crystallization of Filled Natural Rubber, 955P
Chenal, T. See Terrier, M., 2400C
Cheng, C.-H. See Hsiue, G.-H., 688C
Cheng, H. See Zhu, J.-L., 5354C
Cheng, K.-F.
—; Liu, C.-L.; Chen, W.-C.: Small Band Gap Conjugated Polymers Based on Thiophene–Thienopyrazine Copolymers, 5872C
Cheng, L.
—; Ying, L.; Feng, J.; Wang, C. Y.; Li, J. L.; Xu, Z.: Novel Heterocyclic Poly(arylene ether ketone)s: Synthesis and Polymerization of 4-(4′-Hydroxyaryl)(2*H*)phthalazin-1-ones with Methyl Groups, 1525C
Cheng, L. S. See Al-Harthi, M., 2212C
Cheng, S.-X. See Zhu, J.-L., 5354C; Zou, T., 5256C
Cheng, W. See Li, S., 5459C
Cheng, W.-K. See Kuo, C.-H., 4504C
Cheng, X.
—; Chen, M.; Wu, L.; You, B.: A Novel and Facile Preparation Method of Hollow Silica Spheres Containing Small SiO_2 Cores, 3431C
Cheng, Y. See Mei, C., 1746C
—; Zou, X.; Zhu, D.; Zhu, T.; Liu, Y.; Zhang, S.; Huang, H.: Synthesis and Characterization of Chiral Polymer Complexes Incorporating Polybinaphthyls, Bipyridine, and Eu(III), 650C
Cheng, Z. See Wan, X., 2886C; Wang, J., 3788C; Wang, S., 5318C; Zhang, Z., 5722C
Chi, J. H. See Shin, G. J., 776C
Chi, Y. See Chien, C.-H., 2073C
Chiang, C.-L. See Yuen, S.-M., 3349C
Chiang, R.-K. See Wu, T.-M., 4647C
Chiang, W.-J.
—; Woo, E. M.: Comparison of Glass Transition and Interpretation on Miscibility in Blends of Amorphous Poly(vinyl methyl ether) With Highly Crystallizable Versus Less-Crystallizable Polyesters, 2899P
Chin, W.-K. See Chang, J., 322P
Chien, A.-T.
—; Lin, K.-F.: Morphology and Permeability of Exfoliated PVAc-MMT Nanocomposite Films Cast From Soap-Free Emulsion-Polymerized Latices, 5583C
Chien, C.-H. See Yuan, M.-C., 2925C
—; Shih, P.-I.; Shu, C.-F.: White Electroluminescence from a Single Polymer: A Blue-Emitting Polyfluorene Incorporating Orange-Emitting Benzoselenadiazole Segments on Its Main Chain, 2938C
—; Shih, P.-I.; Wu, F.-I.; Shu, C.-F.; Chi, Y.: Polyfluorene Presenting Dipolar Pendent Groups and Its Application to Electroluminescent Devices, 2073C

Chinellato, A. C. See Vidotti, S. E., 3084P
Chinellato, Jr., L. S. See Millaruelo, M., 4804C
Chiu, W.-Y. See Lee, C.-F., 3062C, 3912C; Li, C.-Y., 3359C, 3902C
Chiu, Y.-H. See Liu, J.-H., 2026C
Chivrac, F.
—; Pollet, E.; Avérous, L.: Nonisothermal Crystallization Behavior of Poly(butylene adipate-*co*-terephthalate)/Clay Nanobiocomposites, 1503P
Cho, B.-K. See Chung, Y.-W., 4988C
Cho, H. J. See Lee, J., 1236C
Cho, M. J. See Lee, S. K., 531C
Cho, N. S. See Lee, J., 1236C; Lee, S. K., 1199C
Choe, S. See Hong, J., 3477C; Kim, M., 4413C; Saikia, P. J., 348C
Choe, W.-S. See Ju Lee, K., 2232P
Choi, D. H. See Lee, S. K., 531C
Choi, J.
—; Chun, S.-W.; Kwak, S.-Y.: Influence of Hyperbranched against Linear Architecture on Crystallization Behavior of Poly(ε-caprolactone)s in Binary Blends with Poly(vinyl chloride), 577P
Choi, J. H. See Abraham, S., 5559C
Choi, M. S.
—; Lee, J. H.; Kim, D. W.; Lee, T. S.: New Conjugated Polymers Comprising *ortho*-phenylazonaphthols: Synthesis and Chromogenic Behaviors, 4430C
Choi, P. See Chen, X., 3349P
Choi, S.-W. See Subramani, S., 2747P
Chou, C.-I. See Liu, Y.-L., 1007C
Chou, J. See D'Angelo, J. G., 2328C
Chou, N. K. See Lin, Y. H., 3231C
Chou, Y.-H. See Lee, C.-F., 3062C, 3912C
Choudhary, V. See Gupta, S., 669C
Chourdakis, N.
—; Voyiatzis, G. A.: Molecular Orientation Study of Uniaxially Drawn Nafion Polymer Electrolyte Membranes Utilizing Polarized UV–Raman Spectra, 2509P
Chow, D. See Illingsworth, M. L., 1641C
Chrissafis, K. See Papadimitriou, S., 5076C
Christenson, C. P. See Ginzburg, V. V., 2123P
Chu, C. C. See Guo, K., 1595C
Chu, H. Y. See Lee, J., 1236C
Chu, Q. See Liao, L., 2048C
Chu, S. H. See Lin, Y. H., 3231C
Chujo, Y. See Inagi, S., 3770C; Morisaki, Y., 866C; Na, H.-S., 2867C; Nakahashi, A., 3580C; Nemoto, T., 543C
Chun, S.-H. See Jung, I. G., 3042C
Chun, S.-W. See Choi, J., 577P
Chung, D.-S. See Dang, T. T. M., 5277C
Chung, T. C. M. See Hong, H., 639C
Chung, Y. K. See Jung, I. G., 3042C
Chung, Y.-W.
—; Lee, B.-I.; Kim, H.-Y.; Wiesner, U.; Cho, B.-K.: Influence of Crystalline Peripheral Chain Length on the Solid-State Assemblies of Amphiphilic Dendrons, 4988C
Ciambelli, P. See Gorrasi, G., 597P
Cianga, I. See Demirel, A. L, 2091C
—; Mercore, V. M.; Grigoras, M.; Yagci, Y.: Poly(thienylphenylene)s with Macromolecular Side Chains by Oxidative Polymerization of Well-Defined Macromonomers, 848C
Cianga, L. See Gacal, B., 2774C
Cieslinski, R. C. See Sonnenschein, M. F., 989C
Cifre, J. G. H. See Pamies, R., 1P, 714P
Cimrová, V. See Mikroyannidis, J. A., 809C, 1016C
Ciolino, A. E.
—; Villar, M. A.; Vallés, E. M.; Hadjichristidis, N.: Synthesis and Characterization of Model Polybutadiene-1,4-*b*-Polydimethylsiloxane-*b*-Polybutadiene-1,4 Copolymers, 2726C
Cirpan, A. See Liao, L., 2048C
Clarke, N. See Dodds, J. M., 2762P; Motong, N., 2187P
Clearfield, A. See Boo, W. J., 1459P
Clémenson, S.
—; David, L.; Espuche, E.: Structure and Morphology of Nanocomposite Films Prepared from Polyvinyl Alcohol and Silver Nitrate: Influence of Thermal Treatment, 2657C
Cloutet, E. See Renault, B., 5649C
Cohen, S. A. See Lin, Q., 1482P
Cohen, Y. See Lewis, G. T., 5748C; Rein, D. M., 766P; Shavit-Hadar, L., 1535P
Cola, E. D.
—; Waigh, T. A.; Colby, R. H.: Dynamic Light Scattering and Rheology Studies of Aqueous Solutions of Amphiphilic Sodium Maleate Containing Copolymers, 774P
Colby, R.
—; Ediger, M.; Inglefield, P. T.: In Memoriam: Alan A. Jones (1944–2006), 127P
Colby, R. H. See Cola, E. D., 774P
Colceriu, A. See Buruiana, E. C., 1956C
Collins, M. See Chen, J.-T., 2912P
Collins, S. A. See Motong, N., 2187P
Collis, M. See Embery, J., 377P
Compañ, V.
—; Castillo, L. F. D.; Hernández, S. I.; López-González, M. M.; Riande, E.: On the Crystallinity Effect on the Gas Sorption in Semicrystalline Linear Low Density Polyethylene (LLDPE), 1798P
Cormack, P. A. G. See Bouhier, M.-H., 2375C
Cornelissen, J. J. L. M. See Metselaar, G. A., 981C
Corsini, P.
—; Perez-Rigueiro, J.; Guinea, G. V.; Plaza, G. R.; Elices, M.; Marsano, E.; Carnasciali, M. M.; Freddi, G.: Influence of the Draw Ratio on the Tensile and Fracture Behavior of NMMO Regenerated Silk Fibers, 2568P
Costamagna, V.
—; Strumia, M.; López-González, M.; Riande, E.: Gas Transport in Surface Grafted Polypropylene Films with Poly(acrylic acid) Chains, 2421P
Cote, G. See Gungor, E., 1055C
Coughlin, E. B. See Ranganathan, T., 4573C
Coutinho, J. A. See Oliveira, N. S., 616P

Covington, A. M. See Emmons, E. D., 358P
Cramail, H. See Renault, B., 5649C
Cramer, N. See Carioscia, J. A., 5686C
Crist, B.
—; Yet Another Visit to the Melting of Polyethylene Crystals, 3231P
Crivello, J. V.
—: Hybrid Free Radical/Cationic Frontal Photopolymerizations, 4331C
—; Synergistic Effects in Hybrid Free Radical/Cationic Photopolymerizations, 3759C
Crossetti, G. L. See Carone, C. L. P., 5199C
Cui, D. See Shang, X., 5662C
Cui, G. See Rao, X., 4844C
Cui, J. See Zhu, Z., 830C
Cui, L.
—; Xu, H.; He, P.; Sumitomo, K.; Yamaguchi, Y.; Gu, H.: Developing a Hybrid Emulsion Polymerization System to Synthesize Fe_3O_4/Polystyrene Latexes with Narrow Size Distribution and High Magnetite Content, 5285C
Cui, X. See Zhong, S., 2871P
Cui, Z. See Fei, X., 5923C; Li, Y., 222C
Cunningham, M. F. See Osti, M., 69C

D'Agosto, F. See Lopez, R. G., 2705C
D'Angelo, J. G.
—; Sawyer, R.; Kumar, A.; Onorato, A.; McCluskey, C.; Delude, C.; Vollenweider, L.; Reyes, N.; French, R.; Warner, S.; Chou, J.; Stenzel, J.; Sotzing, G. A.; Smith, M. B.: Chemical Reactions of the Conducting Polymer Poly(3,4-ethylene dioxythiophene) and Alcohols, 2328C
Dadmun, M. D. See Ji, H., 3949C
Dahl, J. E. See Ghosh, A., 1077P
Dahmouche, K. See Souza, Jr., F. G., 3069P
Dai, H. See Illingsworth, M. L., 1641C
Dairoku, M. See Miura, Y., 4364C
Damodaran, K. See Mathers, R. T., 3150C
Dang, G. See Rao, X., 4844C
Dang, J. See Han, H., 3986C
Dang, T. D. See Yoonessi, M., 2813P
Dang, T. T. See Zhao, Q., 341C
Dang, T. T. M.
—; Park, S.-J.; Park, J.-W.; Chung, D.-S.; Park, C. E.; Kim, Y.-H.; Kwon, S.-K.: Synthesis and Characterization of Poly(Benzodithiophene) Derivative for Organic Thin Film Transistors, 5277C
Daniel-da-Silva, A. L.
—; Bordado, J. C. M.; Martín-Martínez, J. M.: Evidences of Phase Separation in Moisture-Cured Poly(urethane urea)s by Means of Temperature Modulated Differential Scanning Calorimetry, 3034P
Daniels, E. S. See Kim, H., 1038C
Danner, R. P. See Galdámez, J. R., 2071P
Daridon, J. L. See Oliveira, N. S., 616P
Das, B. See Nandi, P., 1765P
da Silva Ferreira, A. See Pluta, M., 2770P
da Silva, J. A. L.
—; Santos, C. A. N. S.: Linear Viscoelastic Behavior of Chitosan Films As Influenced by Changes in the Biopolymer Structure, 1907P
Datta, H.
—; Bhowmick, A. K. K.; Singha, N. K.: Tailor-Made Poly(ethyl acrylate) by Atom Transfer Radical Polymerization, 1661C
David, L. See Clémenson, S., 2657C; Hakme, C., 1950P
Davis, T. P. See Szablan, Z., 1931C; Nguyen, T. L. U., 3256C; Joso, R., 3482C
Dayal, P.
—; Guenthner, A. J.; Kyu, T.: Morphology Development of Main-Chain Liquid Crystalline Polymer Fibers During Solvent Evaporation, 429P
de Abajo, J. See Ferreiro, J. J., 4671C; Vicente, M. S., 2007P
de Almeida Prado, L. A. S. See José, N. M., 299P
de Angelis, M. G. See Fossati, P., 1637P
De Bruyn, H.
—; Sprong, E.; Gaborieau, M.; Roper, III, J. A.; Gilbert, R. G.: Starch-*graft*-(synthetic copolymer) Latexes Initiated with Ce^{4+} and Stabilized by Amylopectin, 4185C
de Ilarduya, A. M. See Regaño, C., 116P
de la Campa, J. G. See Ferreiro, J. J., 4671C; Vicente, M. S., 2007P
de la Cruz, M. O. See Erukhimovich, I., 3003P
de la Fuente, J. L. See París, R., 1845P, 3538C
de la Peña, J. L. See San-José, N., 5398C
de la Torre, J. G. See Pamies, R., 1P, 714P
de Luca, E. See Dodds, J. M., 2762P
De Matteis, F. See Centore, R., 2719C
de Oca, H. M.
—; Ward, I. M.: Structure and Mechanical Properties of Poly(L-lactic acid) Crystals and Fibers, 892P
de Oliveira, F. C. See Machado, J. C., 2400P
de Paz, M. V.
—; Marín, R.; Zamora, F.; Hakkou, K.; Alla, A.; Galbis, J. A.; Muñoz-Guerra, S.: Linear Polyurethanes Derived from Alditols and Diisocyanates, 4109C
de Sarkar, M. See Ganguly, A., 52P
de Wit, G. See Jansen, M. A. G., 882C; Soloukhin, V. A., 2147P
Debuigne, A. See Bryaskova, R., 81C
Deepa, P.
—; Jayakannan, M.: Solvent-Induced Self-Organization Approach for Polymeric Architectures of Micropores, Hexagons and Spheres Based on Polyurethanes Prepared Via Novel Melt Transurethane Methodology, 2351C
Degée, P. See Bryaskova, R., 2532C
Delaite, C. See Glaied, O., 968C, 4179C
Deleuze, H. See Lépine, O., 4193C
Delgado, K. See Velilla, T., 5480C
Delmas, G. See Jedidi, I., 1932P
Delude, C. See D'Angelo, J. G., 2328C
Demirel, L. A. See Gungor, E., 1055C
—; Yurteri, S.; Cianga, I.; Yagci, Y.: Synthesis and Morphological

Characterization of Poly(ε-caprolactone) and Poly(2-methyloxazoline) substituted Phenyl Rings and Phenylene Oligomers, 2091C
Deng, C.
—; Chen, X.; Sun, J.; Lu, T.; Wang, W.; Jing, X.: RGD Peptide Grafted Biodegradable Amphiphilic Triblock Copolymer Poly(glutamic acid)-*b*-Poly(L-lactide)-*b*-Poly(glutamic acid): Synthesis and Self-Assembly, 3218C
Deng, J. See Zhang, Z., 500C
Deng, L.-B. See Huo, J., 2880P
Deng, X. See Jiang, Z., 4091C
Deng, Y. See Pu, K.-Y., 3776C
DesLauriers, P. J.
—; McDaniel, M. P.: Short Chain Branching Profiles in Polyethylene from the Phillips Cr/Silica Catalyst, 3135C
Detrembleur, C. See Bryaskova, R., 81C, 2532C; Grignard, B., 1499C; Sciannamea, V., 1219C
Dhamodharan, R. See Vivek, A. V., 3818C
Díaz, D. D. See Liu, Y., 5182C
Di Bartolomeo, A. See Gorrasi, G., 597P
Dijkstra, P. J. See Breteler, M. R. T., 429C
Dikin, D. A. See Ramanathan, T., 2097P
Dimonie, V. L. See Jiang, S., 2105C
Ding, J. See Mei, C., 1746C; Yu, L., 1122C
Ding, M. See Yan, J., 4933C; Zhao, G., 2344P
Ding, T.
—; Wang, L.; Wang, P.: Changes in Electrical Resistance of Carbon-Black-Filled Silicone Rubber Composite During Compression, 2700P
Ding, Y.
—; Xiong, R.; Wang, S.; Zhang, X.: Aggregative Structure of the 1-Octadecyl-3-methylimidazolium Cation in the Interlayer of Montmorillonite and Its Effect on Polypropylene Melt Intercalation, 1252P
Dionísio, M. See Viciosa, M. T., 2802P
Dispinar, T.
—; Sanyal, R.; Sanyal, A.: A Diels-Alder/Retro Diels-Alder Strategy to Synthesize Polymers Bearing Maleimide Side Chains, 4545C
Dlubek, G.
—; Pionteck, J.; Sniegocka, M.; Hassan, E. M.; Krause-Rehberg, R.: Temperature and Pressure Dependence of the Free Volume in the Perfluorinated Polymer Glass CYTOP: A Positron Lifetime and Pressure-Volume-Temperature Study, 2519P
Dodds, J. M.
—; de Luca, E.; Hutchings, L. R.; Clarke, N.: Rheological Properties of HyperMacs—Long-Chain Branched Analogues of Hyperbranched Polymers, 2762P
Doghieri, F. See Fossati, P., 1637P; Ritums, J. E., 723P
Dollin, M.
—; Szkurhan, A. R.; Georges, M. K.: Rapid Additive-Free TEMPO-Mediated Stable Free Radical Polymerizations of Styrene, 5487C
Don, T.-M. See Li, C.-Y., 3359C, 3902C
Donald, A. M.
—; Why Should Polymer Physicists Study Biopolymers?, 3257P
Dong, B. See Gu, S.-Y., 3189P
Dong, H. See Oh, J. K., 4764C
Dong, Z.-M. See Lin, Y., 4309C
Donose, B. C. See Hurduc, N., 4240C
Dorgan, J. See Oliveira, N. S., 616P
Dos Santos, J. H. Z. See Carone, C. L. P., 5199C; Velilla, T., 5480C
Dote, H. See Miura, Y., 1159C
Douglas, J. F. See Knauert, S. T., 1882P
Drockenmuller, E. See Vestberg, R., 2835C
Drzal, L. T. See Miyagawa, H., 698P
Du, F.-S. See Xu, N., 1889C
Du, Q. See Zhao, L., 2300P
Dua, V. See Bianchini, J. R., 1296C
Duarte, L. B. See Ortiz, R. A., 4829C
Duarte, M. T. See Viciosa, M. T., 2802P
Dubois, P. See Bryaskova, R., 2532C; Miltner, H. E., 1291P; Pluta, M., 2770P
Duckett, R. A. See Embery, J., 377P
Duda, J. L. See Galdámez, J. R., 2071P
Dujardin, G. See Lucchesi, C., 3677C
Dull, T. See Sun, N., 1410P
Dumas, P. See Glaied, O., 968C, 4179C
Durmaz, H. See Gungor, E., 1055C
Durmaz, Y. Y.
—; Yilmaz, G.; Yağci, Y.: *N*-Alkoxy Pyridinium Ion Terminated Polystyrenes: A Facile Route to Photoinduced Block Copolymerization, 423C
Dutta, P. K. See Yu, X., 147C
Dutta, S. See Alidedeoglu, A. H., 3191C
Duvvuri, S. S. See Emmons, E. D., 358P
Dvořánková, B. See Janata, M., 4074C
Dvornić, P. R. See Antić, V. V., 2246C
Dwars, T. See Schütz, C., 3032C

Eceiza, A. See Garcia, I., 925C
Echevskaya, L. G. See Mikenas, T. B., 5057C
Eckert-Kastner, S. See Alvarez, G. A., 91P
Ediger, M. See Colby, R., 127P
Ediger, M. D. See Zhang, L., 2252P
Egbe, D. A. M.
—; Nguyen, L. H.; Schmidtke, K.; Wild, A.; Sieber, C.; Guenes, S.; Sariciftci, N. S.: Combined Effects of Conjugation Pattern and Alkoxy Side Chains on the Photovoltaic Properties of Thiophene-Containing PPE-PPVs, 1619C
Egorova, L. M. See Karabanova, L. V., 963P
Eilertsen, J. L. See Tynys, A., 1364C
Eisa, W. See Ali, Z., 850P
El-Aasser, M. S. See Jiang, S., 2105C
El-Azzami, L. A.
—; Grulke, E. A.: Dual Mode Model for Mixed Gas Permeation of CO_2, H_2, and N_2 Through a Dry Chitosan Membrane, 2620P
Elices, M. See Corsini, P., 2568P; Pérez-Rigueiro, J., 786P
Elizalde, L. E. See Ledezma, R., 1463C
Elmér, A. M.
—; Jannasch, P.: Polymer Electrolyte Membranes by *In Situ* Polymerization of Poly(ethylene carbonate-*co*-ethylene oxide)

Macromonomers in Blends with Poly(vinylidene fluoride-*co*-hexafluoropropylene), 79P
El-Roz, M. See Lalevée, J., 2436C
Ely, R. See Carioscia, J. A., 5686C
Embery, J.
—; Graham, R. S.; Duckett, R. A.; Groves, D.; Collis, M.; Mackley, M. R.; Mcleish, T. C. B.: Tearing Energy Study of "Oriented and Relaxed" Polystyrene in the Glassy State, 377P
Emmons, E. D.
—; Kraus, R. G.; Duvvuri, S. S.; Thompson, J. S.; Covington, A. M.: High-Pressure Infrared Absorption Spectroscopy of Poly(Methyl Methacrylate), 358P
Emrick, T. See Ranganathan, T., 4573C
Endo, K. See Shimada, S., 162P
—; Nomaguchi, T.; Tsuchiya, Y.: Control of Molecular Weight in Polymerization of Vinyl Chloride with $Cp^*Ti(OPh)_3$/MAO Catalyst, 3872C
Endo, T. See Fujita, Y., 5365C; Horikiri, M., 4606C; Komatsu, H., 3370C; Morikawa, H., 5022C; Morinaga, H., 736C; Motokucho, S., 4459C; Nagasawa, T., 1388C; Nomura, Y., 2689C; Ochiai, B., 2820C, 2827C, 3400C, 3408C, 5673C, 5781C; Sudo, A., 3798C; Uenishi, K., 1170C;
Enea, R. See Hurduc, N., 4240C
Erdodi, G. See Kang, J., 4276C
—; Kennedy, J. P.: Third-Generation Amphiphilic Conetworks. I. Synthesis and Swelling Behavior of Poly(*N,N*-dimethyl acrylamide)/Polydimethylsiloxane Conetworks, 295C
Erdogan, T. See Gungor, E., 1055C
Erukhimovich, I.
—; de la Cruz, M. O.: Phase Equilibrium and Charge Fractionation in Polyelectrolyte Solutions, 3003P
Escudé, N. C. See Mariott, W. R., 2581C
Es-Haghi, S. S.
—; Yousefi, A. A.; Oromiehie, A.: Thermorheological Complexity of Poly(methyl methacrylate)/Poly(vinylidene fluoride) Miscible Polymer Blend: Terminal and Segmental Levels, 2860P
Esker, A. R. See Li, B., 3300C, 3300P
Espuche, E. See Clémenson, S., 2657C
Every, H. A. See Sisbandini, C., 666P
Ezquerra, T. A. See Linares, A., 1653P; Soccio, M., 1694P

Famulari, A. See Ricci, G., 5339C
Fan, D. See Ao, Y., 374C
Fan, H. See Zhang, J., 3562C
Fan, J. See Chen, G., 654P
Fan, Q.-L. See Pu, K.-Y., 3776C
Fan, W.
—; Zheng, S.: Miscibility and Crystallization Behavior in Blends of Poly(methyl methacrylate) and Poly(vinylidene fluoride): Effect of Star-Like Topology of Poly(methyl methacrylate) Chain, 2580P
Fan, X. See Tang, X., 1653C, 2225C, 3342C, 5190C
Fan, X.-H. See Gao, L.-C., 5949C; Sun, L.-M., 2543C
Fanegas, N. See Naffakh, M., 2309P
Fang, F.
—; Yang, W.; Zhang, M. Z.; Wang, Z.: Deformation and Fracture Behavior of High-Energy Electron Irradiated Poly(vinylidene fluoride-trifluorethylene) Ferroelectric Copolymer Films Under Uniaxial Tension, 2563P
Fang, H.
—; Feng, L.; You, B.; Wu, L.: Effect of Annealing on the Microphase Separated Behavior and Properties of PDMS–MDI–PEG Multiblock Copolymer Films, 208P
Fang, J. See Xu, H., 1150C
Farion, I. A. See Burdukovskiy, V. F., 4656C
Farrell, T. See Tsami, A., 4773C
Farris, R. J. See Ranganathan, T., 4573C
Farrugia, B. See Uyen Nguyen, T. L., 3256C
Fasce, D. P. See Velilla, T., 5480C
Faucher, S.
—; Zhu, S.: Fundamentals and Development of High-Efficiency Supported Catalyst Systems for Atom Transfer Radical Polymerization, 553C
Favis, B. D. See Sarazin, P., 864P
Fawcett, A. See Lonsdale, D. E., 3620C
Fay, J. D. B. See Leber, N., 4043C
Feeser, C. See Carioscia, J. A., 5686C
Fei, X.
—; Hu, J.; Zhang, H.; Sha, P.; Piao, J.; Cui, Z.; Zhang, D.: Synthesis of Crosslinkable Fluorinated Polyesters for Optical Waveguide Devices, 5923C
Feijen, J. See Breteler, M. R. T., 429C; Husken, D., 4522C
Felorzabihi, N.
—; Haley, J. C.; Bardajee, G. R.; Winnik, M. A.: Systematic Study of the Fluorescence Decays of Amino-Coumarin Dyes in Polymer Matrices, 2333P
Fenenko, L. See Mikroyannidis, J. A., 4661C
Feng, C. See Peng, D., 3687C
Feng, J. See Cheng, L., 1525C
Feng, J.-C. See Wang, H.-Y., 1066C; Wen, G.-A., 388C
Feng, L. See Fang, H., 208P
Feng, Y. See Zhang, S., 768C
Fengqiu, C. See Qinghua, Z., 1585C
Ferdous, S.
—; Lagowski, J. B.: Comparison of Ground and Excited State Polarizabilities of Thiophene, Cyclopentadiene, and Fulvene Oligomers and Their Cyano Substituted Derivatives—*Ab Initio* Study, 1983P
Ferhat-Hamida, Z. See Jedidi, I., 1932P
Fernández, S. See Viciosa, M. T., 2802P
Fernández-Francos, X. See González, S., 1968C
—; Salla, J. M.; Cadenato, A.; Morancho, J. M.; Mantecón, A.; Serra, A.; Ramis, X.: Influence of the Initiating Mechanism on the Cationic Photopolymerization of a Cycloaliphatic Epoxy Resin with Arylsulfonium Salts, 16C
—; Salla, J. M.; Cadenato, A.; Morancho, J. M.; Mantecón, A.; Serra, A.; Ramis, X.: Novel Thermosets Obtained by UV-Induced Cationic Copolymerization of DGEBA with an Spirobislactone, 5446C

Fernández-García, M. See Sánchez-Chaves, M., 1026P
Fernández-Torres, A. See Valentín, J. L., 544P
Ferreira, A. See Oliveira, N. S., 616P
Ferreiro, J. J.
—; de la Campa, J. G.; Lozano, A. E.; de Abajo, J.; Preston, J.: Effect of Pendent Oxyethylene Moieties on the Properties of Aromatic Polyisophthalamides, 4671C
Fierro, D. See Boschetti-de-Fierro, A., 3197P
Fijten, M. W. M. See Hoogenboom, R., 416C, 5371C
Finelli, L. See Soccio, M., 310P, 1694P
Fink, R. See Hub, C., 2270P
Finn, M. G. See Liu, Y., 5182C
Finne-Wistrand, A. See Redin, T., 5552C
Firon, M. See Chambon, S., 317C
Flat, J. J. See Badel, T., 5215C
Flores-Gallardo, S. G. See López-Martínez, E. I., 511P
Flory, A. L.
—; Brass, D. A.; Shull, K. R.: Deformation and Adhesive Contact of Elastomeric Membranes, 3361P
Fokin, V. V. See Liu, Y., 5182C; Vestberg, R., 2835C
Fontaine, L. See Lucchesi, C., 3677C
Forcén, P.
—; Oriol, L.; Sánchez, C.; Alcalá, R.; Hvilsted, S.; Jankova, K.; Loos, J.: Synthesis, Characterization and Photoinduction of Optical Anisotropy in Liquid Crystalline Diblock Azo-Copolymers, 1899C
Ford, W. T. See Kim, Y. H., 4623C
Foreman, E. A.
—; Puskas, J. E.; Kaszas, G.: Synthesis and Characterization of Arborescent (Hyperbranched) Polyisobutylenes from the 4-(1,2-oxirane-isopropyl)Styrene Inimer, 5847C
Fossati, P.
—; Sanguineti, A.; de Angelis, M. G.; Baschetti, M. G.; Doghieri, F.; Sarti, G. C.: Gas Solubility and Permeability in MFA, 1637P
Fouassier, J. P. See Lalevée, J., 2436C, 2494C
Francesco, D. C. See Celli, A., 1053P
Francis, B.
—; Thomas, S.; Sadhana, R.; Thuaud, N.; Ramaswamy, R.; Jose, S.; Rao, V. L.: Diglycidyl Ether of Bisphenol-A Epoxy Resin Modified Using Poly(ether ether ketone) with Pendent *tert*-Butyl Groups, 2481P
Francis, L. F. See Lan, Q., 2284P
Franco, L. See Martínez-Palau, M., 2640P
Franta, E.
—; Hogen-Esch, T.; van Beylen, M.; Smid, J.: Fifty Years of Living Polymers, 2576C
Fraschini, C. See Jalabert, M., 1944C
—; Pennors, A.; Prud'homme, R. E.: Stereocomplex Formation Between Enantiomeric Poly (α-methyl-α-ethyl-β-propiolactones): Effect of Molecular Weight, 2380P
Fratoddi, I.
—; Battocchio, C.; Groia, A. L.; Russo, M. V.: Nanostructured Polymetallaynes of Controlled Length: Synthesis and Characterization of Oligomers and Polymers from 1,1′-Bis-(ethynyl)4,4′-biphenyl Bridging Pt(II) or Pd(II) Centers, 3311C
Frauendorf, H. See Buback, M., 2453C
Freddi, G. See Corsini, P., 2568P
Fredrickson, G. H. See Popov, Y. O., 3223P
French, R. See D'Angelo, J. G., 2328C
Frisch, H. L.
—; Obituary, 3394P
Fu, B. X. See Misra, R., 2441P
Fu, H.-K. See Yei, D.-R., 1781P
Fu, J. See Jo, C., 436P
Fu, Q. See Shan, G.-F., 1217P
Fu, T. See Zhong, S., 2871P
Fu, Y. See Xiao, X., 2410C
Fujii, T. See Qu, J., 5431C; Yue, D., 1515C
Fujii, Y.
—; Shen, H.: Relationship Between Fine Structure of Polyoxymethylene Copolymer Plates and Methanol Transport Properties, 1234P
Fujioka, M. See Ihara, E., 1536C
Fujita, M. See Nakahashi, A., 3580C
Fujita, Y.
—; Koga, K.; Kim, H.-K.; Wang, X.-S.; Sudo, A.; Nishida, H.; Endo, T.: Phosgene-Free Synthesis of *N*-Carboxyanhydrides of α-Amino Acids Based on Bisarylcarbonates as Starting Compounds, 5365C
Fukahori, Y. See Kumar, P., 3169P
Fukuda, C. See Inomata, K., 129P
Fukuda, K. See Miura, Y., 1159C
Fukuda, T. See Yoshikawa, C., 4795C
Fukui, K. See Sannomiya, A., 262P
Fukunaga, Y.
—; Hayashi, M.; Satoh, M.: Specific Swelling Behaviors of Alkali-Metal Poly(styrene sulfonate) Gels in Aqueous Solvent Mixtures, 1166P
Fulchiron, R. See Naudy, S., 2982P
Funari, S. S. See Boschetti-de-Fierro, A., 3197P
Furuhashi, Y.
—; Kimura, Y.; Yamane, H.: Higher Order Structural Analysis of Stereocomplex-Type Poly(lactic acid) Melt-Spun Fibers, 218P
Furukawa, M. See Yamasaki, S., 800P
Furukawa, T. See Li, Y., 2707P
Furumichi, T. See Li, Y., 2707P
Fusco, S. See Centore, R., 2719C

Gaborieau, M. See De Bruyn, H., 4185C
Gacal, B.
—; Cianga, L.; Agag, T.; Takeichi, T.; Yagci, Y.: Synthesis and Characterization of Maleimide (Co)polymers with Pendant Benzoxazine Groups by Photoinduced Radical Polymerization and Their Thermal Curing, 2774C
Gal, Y.-S. See Shin, W. S., 1394C
—; Jin, S.-H.; Park, J.-W.: Synthesis and Properties of an Ionic Polyacetylene with Aromatic Heterocycles, 5679C
Galbis, J. A. See de Paz, Ma V., 4109C
Galbrecht, F. See Tsami, A., 4773C
Galdámez, J. R.
—; Serna, L. V.; Duda, J. L.; Danner, R. P.: Effect of Blend Composition on Diffusivity and Solubility of Small Molecules in Polystyrene/Poly(vinyl methyl ether) Blends, 2071P
Galeski, A. See Pluta, M., 2770P

Galià, M. See Andreu, R., 4965C; Spontón, M., 2142C

Galland, G. B. See Carone, C. L. P., 5199C; Velilla, T., 5480C

Galletti, A. M. R.
—; Carlini, C.; Giaiacopi, S.; Martinelli, M.; Sbrana, G.: Bis(salicy laldiminate) copper(II)/ Methylaluminoxane Catalysts for Homo- and Copolymerizations of Ethylene and Methyl Methacrylate, 1134C

Gallyamov, M. O.
—; Tartsch, B.; Mela, P.; Potemkin, I. I.; Sheiko, S. S.; Börner, H.; Matyjaszewski, K.; Khokhlov, A. R.; Möller, M.: Vapor-Induced Spreading Dynamics of Adsorbed Linear and Brush-Like Macromolecules as Observed by Environmental SFM: Polymer Chain Statistics and Scaling Exponents, 2368P

Ganguly, A.
—; de Sarkar, M.; Bhowmick, A. K.: Morphological Mapping and Analysis of Poly[styrene-*b*-(ethylene-*co*-butylene)-*b*-styrene] and its Clay Nanocomposites by Atomic Force Microscopy, 52P

Gao, G. See Yu, F., 4013C

Gao, H. See Wang, D., 173P, 2890P, 2927P
—; Isobe, Y.; Onimura, K.; Oishi, T.: Synthesis and Asymmetric Polymerization of (*S*)-*N*-Maleoyl-L-Leucine Propargyl Ester, 3722C
—; Jones, M.-C.; Tewari, P.; Ranger, M.; Leroux, J.-C.: Star-Shaped Alkylated Poly(glycerol methacrylate) Reverse Micelles: Synthesis and Evaluation of Their Solubilizing Properties in Dichloromethane, 2425C

Gao, J. See Luo, Y., 2304C; Tao, H., 153P
—; Luo, Y.; Wang, R.; Li, B.; Zhu, S.: Kinetics of Methyl Methacrylate and *n*-Butyl Acrylate Copolymerization Mediated by 2-Cyanoprop-2-yl Dithiobenzoate as a RAFT Agent, 3098C
—; Sun, Y.; Zhou, J.; Zheng, Z.; Chen, H.; Su, W.; Zhang, Q.: Preparation of Ag Nanoparticles Termini-Protected Side-Chain Liquid Crystalline Azobenzene Polymers by RAFT Polymerization, 5380C

Gao, L. See Li, Y., 222C; Tang, X., 1653C, 2225C, 3342C, 5190C; Yan, J., 4933C

Gao, L.-C.
—; Pan, Q.-W.; Wang, C.; Yi, Y.; Chen, X.-F.; Fan, X.-H.; Zhou, Q.-F.: ABA-Type Liquid Crystalline Triblock Copolymers via Nitroxide-Mediated Radical Polymerization: Design, Synthesis, and Morphologies, 5949C

Gao, S.-Y. See Yan, C.-L., 1911C

García, D. See Sanchis, R. M., 2390P

García, F. See Rubio, F., 1788C

García, F. C. See San-José, N., 4026C, 5398C

Garcia, I.
—; Tercjak, A.; Zafeiropoulos, N. E.; Stamm, M.; Mondragon, I.: Generation of Core/Shell Iron Oxide Magnetic Nanoparticles with Polystyrene Brushes by Atom Transfer Radical Polymerization, 4744C
—; Zafeiropoulos, N. E.; Janke, A.; Tercjak, A.; Eceiza, A.; Stamm, M.; Mondragon, I.: Functionalization of Iron Oxide Magnetic Nanoparticles with Poly(methyl methacrylate) Brushes Via Grafting-From Atom Transfer Radical Polymerization, 925C

García, J. M. See Rubio, F., 1788C; San-José, N., 4026C, 5398C

García, S. J.
—; Serra, A.; Suay, J.: New Powder Coatings With Low Curing Temperature and Enhanced Mechanical Properties Obtained From DGEBA Epoxy Resins and Meldrum Acid Using Erbium Triflate as Curing Agent, 2316C

Gardette, J.-L. See Chambon, S., 317C

Garkhal, K.
—; Verma, S.; Jonnalagadda, S.; Kumar, N.: Fast Degradable Poly(L-lactide-*co*-ε-caprolactone) Microspheres for Tissue Engineering: Synthesis, Characterization, and Degradation Behavior, 2755C

Garland, M. See Jiang, Y., 5697C

Garrido, L. See Martínez, G., 2503C

Gauthier, C. See Chenal, J. M., 955P; Masenelli-Varlot, K., 1243P; Ramier, J., 286P

Gauthier, M.
—; Arborescent Polymers and Other Dendrigraft Polymers: A Journey Into Structural Diversity, 3803C

Gaymans, R. J. See Husken, D., 4522C

Gazzano, M. See Soccio, M., 310P

Ge, X. See He, X., 933C; Hua, D., 2847C

Ge, Z.
—; Chen, D.; Zhang, J.; Rao, J.; Yin, J.; Wang, D.; Wan, X.; Shi, W.; Liu, S.: Facile Synthesis of Dumbbell-Shaped Dendritic-Linear-Dendritic Triblock Copolymer via Reversible Addition-Fragmentation Chain Transfer Polymerization, 1432C

Gedde, U. W. See Ritums, J. E., 723P

Gemici, H.
—; Legge, T. M.; Whittaker, M.; Monteiro, M. J.; Perrier, S.: Original Approach to Multiblock Copolymers via Reversible Addition–Fragmentation Chain Transfer Polymerization, 2334C

Geng, Y. See Mei, C., 1746C

Genzer, J. See Loo, Y.-L. (Lynn), 3221P

Georges, M. K. See Dollin, M., 5487C

Georgieva, R. See Troev, K., 1349C

Géribaldi, S. See Nicolas, M., 4707C

Germack, D. S.
—; Wooley, K. L.: Isoprene Polymerization *via* Reversible Addition Fragmentation Chain Transfer Polymerization, 4100C

Ghosh, A.
—; Sciamanna, S. F.; Dahl, J. E.; Liu, S.; Carlson, R. M. K.; Schiraldi, D. A.: Effect of Nanoscale Diamondoids on the Thermomechanical and Morphological Behaviors of Polypropylene and Polycarbonate, 1077P

Giaiacopi, S. See Galletti, A. M. R., 1134C
Gibson, M. I. See Spain, S. G., 2059C
Gigmes, D. See Lopez, R. G., 2705C
Gignac, L. See Lin, Q., 1482P
Giguère, G.
—; Zhu, X. X.: Synthesis and Aggregation Properties of Anionic Star-Shaped Polymers with Cholic Acid Cores and Polyacrylate Arms, 4173C
Gilbert, R. G. See De Bruyn, H., 4185C; Konkolewicz, D., 3112C
Ginzburg, V. V.
—; Bicerano, J.; Christenson, C. P.; Schrock, A. K.; Patashinski, A. Z.: Theoretical Modeling of the Relationship between Young's Modulus and Formulation Variables for Segmented Polyurethanes, 2123P
Gitsov, I. See Troev, K., 1349C
—; Simonyan, A.; Vladimirov, N. G.: Synthesis of Novel Asymmetric Dendritic-Linear-Dendritic Block Copolymers via "Living" Anionic Polymerization of Ethylene Oxide Initiated by Dendritic Macroinitiators, 5136C
Glaied, O.
—; Delaite, C.; Dumas, P.: Synthesis of A_2B_2 Star Block Copolymers from a Heterotetrafunctional Initiator, 968C
—; Delaite, C.; Dumas, P.: Synthesis of $PS(PEO)_3$ Star Block Copolymers From a Heterotetrafunctional Initiator, 4179C
Gnaneshwar, R.
—; Sivaram, S.: End-Functional Poly(methyl methacrylate)s via Group Transfer Polymerization, 2514C
Gobara, Y. See Yamaguchi, I., 1507C
Gobernado-Mitre, I. See Cárdenas, M. A., 2432P
Goh, Y.-K.
—; Whittaker, A. K.; Monteiro, M. J.: Versatile Synthetic Approach to Reversible Crosslinked Polystyrene Networks via RAFT Polymerization, 4150C
Goikoetxea, M.
—; Barandiaran, M. J.; Asua, J. M.: Mechanisms of *n*-Butanol Formation in Butyl Acrylate Latexes, 5838C
Gómez, M. A. See Martínez, G., 2503C, 5408C; Naffakh, M., 2309P
Gómez, R. See Martínez, G., 5408C
Gómez-Valdemoro, A. See San-José, N., 4026C, 5398C
Gong, Q. See Liu, Y., 4867C
Gong, S. See Liao, L., 5857C
González, L. See Valentín, J. L., 544P
González, S.
—; Fernández-Francos, X.; Salla, J. M.; Serra, A.; Mantecón, A.; Ramis, X.: New Thermosets Obtained by the Cationic Copolymerization of Diglycidyl Ether of Bisphenol A with γ-Caprolactone with an Improvement in the Shrinkage. I. Study of the Chemical Processes and Physical Characteristics, 1968C
Goossens, J. G. P. See Jansen, M. A. G., 882C
Goossens, S.
—; Groeninckx, G.: High Melting Thermoplastic/Epoxy Resin Blends: Influence of the Curing Reaction on the Crystallization and Melting Behavior, 2456P
Gopalan, P. See Campbell, V. E., 3166C
Gorrasi, G.
—; Sarno, M.; Di Bartolomeo, A.; Sannino, D.; Ciambelli, P.; Vittoria, V.: Incorporation of Carbon Nanotubes into Polyethylene by High Energy Ball Milling: Morphology and Physical Properties, 597P
Goto, A. See Yoshikawa, C., 4795C
Goto, H.
—: Electrochemical Polymerization of Pyrrole in Cholesteric Liquid Crystals: Morphology and Optical Properties, 1377C
—; Optically Active Electrochromism in Polyanilines, 2085C
Gottifredi, J. C. See Vicente, M. S., 2007P
Gouveia, L. M. See Balsamo, V., 1365P
Gouverneur, V. See Kostov, G., 3843C
Govedarica, M. N. See Antić, V. V., 2246C
Grady, B. P. See Buffa, F., 490P
Graham, R. S. See Embery, J., 377P
Graham, S. See Bouhier, M.-H., 2375C
Grandidier, J. C. See Roguet, E., 3046P
Granick, S. Wong, J. S., 3237P
Gray-Weale, A. A. See Konkolewicz, D., 3112C
Green, P. F. See Li, Y., 1313P
Gregorio, Jr., R. See Branciforti, M. C., 2793P
Grela, K. See Gstrein, X., 3494C
Grignard, B.
—; Jérôme, C.; Calberg, C.; Detrembleur, C.; Jérôme, R.: Controlled Synthesis of Carboxylic Acid End-Capped Poly(heptadecafluorodecyl acrylate) and Copolymers with 2-Hydroxyethyl Acrylate, 1499C
Grigoras, M. See Cianga, I., 848C
Groeninckx, G. See Goossens, S., 2456P
Groia, A. L. See Fratoddi, I., 3311C
Grolier, J.-P. E. See Boyer, S. A. E., 1354P
Gronski, W. See Guo, Q., 2614P
Groves, D. See Embery, J., 377P
Grulke, E. A. See El-Azzami, L. A., 2620P
Grumel, V. See Luruli, N., 2956P
Gstrein, X.
—; Burtscher, D.; Szadkowska, A.; Barbasiewicz, M.; Stelzer, F.; Grela, K.; Slugovc, C.: Ruthenium Quinoline and Quinoxaline Complexes: Thermally Triggered Initiators for Ring Opening Metathesis Polymerization, 3494C
Gu, H. See Cui, L., 5285C
Gu, J. See Zhang, Y., 605C
Gu, Q. See Chen, Z., 884P
Gu, S.-Y.
—; Ren, J.; Dong, B.: Melt Rheology of Polylactide/Montmorillonite Nanocomposites, 3189P
Guadagno, L. See Pucciariello, R., 936P
Guan, J. See Sha, K., 5037C
Guan, X.
—; Quan, D.; Shuai, X.; Liao, K.; Mai, K.: Chitosan-*graft*-Poly(ε-caprolactone)s: An Optimized Chemical Approach Leading to a Controllable Structure and Enhanced Properties, 2556C

Guang, S. See Xu, H., 5308C
Guenes, S. See Egbe, D. A. M, 1619C
Guenthner, A. J. See Dayal, P., 429P
Guérin, G.
—; Prud'homme, R. E.: Thickness Dependence of Free-Standing Thin Films, 10P
Guillaume, S. M.
—; Schappacher, M.; Scott, N. M.; Kempe, R.: Di- and Trivalent Rare Earth Complexes Stabilized by Sterically Demanding Aminopyridinato Ligands as Initiators in Ring-Opening Polymerization Reactions of e-Caprolactone, 3611C
Guinea, G. V. See Corsini, P., 2568P; Pérez-Rigueiro, J., 786P
Guittard, F. See Nicolas, M., 4707C
Guliashvili, T. See Monteiro, M. J., 1835C
—; Percec, V.: A Comparative Computational Study of the Homolytic and Heterolytic Bond Dissociation Energies Involved in the Activation Step of ATRP and SET-LRP of Vinyl Monomers, 1607C
Gülmüs, S. A.
—; Yilmaz, L.: Effect of Temperature and Membrane Preparation Parameters on Gas Permeation Properties of Polymethacrylates, 3025P
Gungor, E.
—; Cote, G.; Erdogan, T.; Durmaz, H.; Demirel, L. A.; Hizal, G.; Tunca, U.: Heteroarm H-Shaped Terpolymers Through Click Reaction, 1055C
Gunji, T.
—; Sakai, Y.; Arimitsu, K.; Abe, Y.: Preparation and Properties of Polyethoxysilsesquioxane-C_{60} Hybrids, 3273C
Günzler, F. See Buback, M., 2453C
Guo, B. See Xu, Y., 420P
Guo, K.
—; Chu, C. C.: Synthesis, Characterization, and Biodegradation of Copolymers of Unsaturated and Saturated Poly(ester amide)s, 1595C
Guo, Q.
—; Arends, P.; Thomann, R.; Spontak, R. J.; Gronski, W.: Morphological Development and Rheological Changes of Phenoxy/SAN Blends During *In-Situ* Polymerization, 2614P
Guo, R. See Han, J., 2638C; Xie, B., 5123C
Guo, S. See Li, J., 184P; Zhang, Y., 605C; Zhao, L., 2300P
Guo, T.-Y.
—; Tang, D.; Song, M.; Zhang, B.: Copolymerizations of Butyl Methacrylate and Fluorinated Methacrylates via RAFT Miniemulsion Polymerization, 5067C
Guo, X. See Liang, S., 1187P; Xu, H., 1150C
Guo, Y. See Li, C., 1403C
Gupta, A. See Mohanty, B., 1511P
Gupta, S.
—; Kuckling, D.; Kretschmer, K.; Choudhary, V.; Adler, H.-J.: Synthesis and Characterization of Stimuli-Sensitive Micro- and Nanohydrogels Based on Photocrosslinkable Poly(dimethylaminoethyl methacrylate), 669C
Gutmann, J. S. See Kiersnowski, A., 2350P
Guy, L. See Ramier, J., 286P
Guymon, C. A. See White, T. J., 4062C

Habenschuss, A. See Qiu, W., 475P
Härtner, S.
—; Kim, H.-C.; Hampp, N.: Phototriggered Release of Photolabile Drugs via Two-Photon Absorption-Induced Cleavage of Polymer-Bound Dicoumarin, 2443C
Häußler, M.
—; Liu, J.; Lam, J. W. Y.; Qin, A.; Zheng, R.; Tang, B. Z.: Polycyclotrimerization of Aromatic Diynes: Synthesis, Thermal Stability, and Light-Emitting Properties of Hyperbranched Polyarylenes, 4249C
Ha, C.-S. See Abraham, S., 3570C, 5559C
Ha, J. See Washizu, T., 3083C
Haag, R. See Krämer, M., 2287C
Haddleton, D. M. See Hansen, N. M. L., 5770C
Hadjichristidis, N. See Ciolino, A. E., 2726C; Kostakis, K., 3524C; Lorenzo, A. T., 5387C; Nikopoulou, A., 3513C; Priftis, D., 5164C; Zorba, G., 2387C
Hagihara, H. See Ishihara, T., 5731C
Hahn, S. F. See Hermel-Davidock, T. J., 3338P
Haida, N. See Ihara, E., 1536C
Hak Kim, J. See Ju Lee, K., 2232P
Hakkarainen, M. See Lindström, A., 1552P
Hakkou, K. See de Paz, Ma Violante, 4109C
Hakme, C.
—; Stevenson, I.; Voice, A.; Lespinasse, G.; Seytre, G.; David, L.: Orientation of Uniaxially Stretched Poly(ethylene naphthalene 2,6-dicarboxylate) Films by Polarized Infrared Spectroscopy, 1950P
Haley, J. C. See Felorzabihi, N., 2333P
Hall, Jr., H. K.
—; Padias, A. B.; Boone, H. W.: Condensation Routes to Polyaniline and Its Analogs, 4751C
Hamana, H. See Narita, T., 908C
Hamilton, B. D. See Lynd, N. A., 3386P
Hamilton, P. D. See Zhang, D., 2569C
Hammond, P. T. See Verploegen, E., 3263P
Hammouda, B.
—; Ho, D. L.: Insight Into Chain Dimensions in PEO/Water Solutions, 2196P
Hampp, N. See Härtner, S., 2443C
Han, D.-H.
—; Pan, C.-Y.: Preparation and Characterization of Heteroarm H-Shaped Terpolymers by Combination of Reversible Addition-Fragmentation Transfer Polymerization and Ring-Opening Polymerization, 789C
Han, H.
—; Chen, F.; Yu, J.; Dang, J.; Ma, Z.; Zhang, Y.; Xie, M.: Ring-Opening Metathesis Polymerization of Functionalized Cyclooctene by a Ruthenium-Based Catalyst in Ionic Liquid, 3986C
Han, J.
—; Song, G.; Guo, R.: Fabrication of Polymer Hollow

Nanospheres by a Swelling–Evaporation Strategy, 2638C
Han, M. See Huo, L., 3861C
Han, N. See Tang, X., 3342C
Han, X. See Ao, Y., 374C; Nie, G., 3929C
—; Liu, H.; Hu, Y.: Interlocking Layer Structures Formed in Spin-Cast Polymer Blend Films by Surface Segregation and Self-Stratification, 532P
Han, Y. See Xu, G., 4696C
Hanaoka, H.
—; Imamoto, Y.; Hino, T.; Kohno, T.; Yanagi, K.; Oda, Y.: Ethylene Polymerization by Chromium Complexes with Phosphorous-Bridged Bisphenoxy Ligand, 3668C
Hanefeld, P. See Radhakrishnan, N., 5636C
Hanna, M. See Burke, N. A. D., 4129C
Hansen, N. M. L.
—; Haddleton, D. M.; Hvilsted, S.: Fluorinated Bio-Acceptable Polymers Via an ATRP Macroinitiator Approach, 5770C
Hao, C.
—; Zhao, Y.; Zhou, Y.; Zhou, L.; Xu, Y.; Wang, D.; Xu, D.: Interactions between Metal Chlorides and Poly(vinyl pyrrolidone) in Concentrated Solutions and Solid-State Films, 1589P
Hao, J. See Jiang, Z., 4091C
Hao, P. See Zuo, W., 3415C
Haouas, M.
—; Harrane, A.; Belbachir, M.; Taulelle, F.: Solid State NMR Characterization of Formation of Poly(ε-Caprolactone)/Maghnite Nanocomposites by *In Situ* Polymerization, 3060P
Haq, M. M. See Ameen, S., 2682P
Hara, Y. See Ueda, M., 1578P
Harada, A. See Liu, R., 1571C
—; Johnin, K.; Kawamura, A.; Kono, K.: Preparation of Temperature-Responsive Polymer Gels Physically Immobilizing Core-Shell Type Bioconjugates, 5942C
Harashina, H.
—; Nakane, T.; Itoh, T.: Synthesis of Poly(ester amide)s by the Melt Polycondensation of Semiaromatic Polyesters with Ethanolamine and Their Characterization, 2184C
Harrane, A. See Haouas, M., 3060P
Harruna, I. I. See Zhou, G., 4204C, 4225C
Harton, S. E. See Hub, C., 2270P
Hasan, T.
—; Ikeda, T.; Shiono, T.: Homo- and Copolymerization of Norbornene Derivatives with Ethene by *ansa*-Fluoren ylamidodimethyltitanium Activated with Methylaluminoxane, 4581C
Hasegawa, H. See Sekine, R., 5916C
Hashimoto, T. See Namikoshi, T., 4389C, 4855C
Hassan, E. M. See Dlubek, G., 2519P
Hatoyama, N. See Ishizu, K., 4037C
Hatton, T. A. See Sinaga, A., 2646C
Haward, R. N.
—; Strain Hardening of High Density Polyethylene, 1090P
Hawker, C. J. See Lohse, B., 4401C; Vestberg, R., 2835C
Hay, A. S. See Li, X., 975C; Xu, J., 262C
Hayashi, M. See Fukunaga, Y., 1166P
Hayashida, K. See Takano, A., 2277P
He, C. See Huo, L., 3861C
He, J. See Ao, Y., 374C; ; Liao, X., 1625P; Wang, X., 4818C; Yu, F., 4013C; Zhou, G., 4204C, 4225C
—; Yan, B.; Wang, S.; Yu, B.; Wang, X.; Wang, Y.: RAFT Copolymerization as a Means to Enhance the Electro-optical Performance of Polymer Dispersed Liquid Crystal Films, 4144C
He, J.-S. See Ma, W.-M., 1755P
He, L. See Song, R., 138P
He, P. See Cui, L., 5285C
He, R.
—; Li, Q.; Jensen, J. O.; Bjerrum, N. J.: Doping Phosphoric Acid in Polybenzimidazole Membranes for High Temperature Proton Exchange Membrane Fuel Cells, 2989C
He, W.-D. See Li, J., 5156C
He, X.
—; Chen, Y.; Liu, Y.; Yu, S.; Hong, S.; Wu, Q.: Addition Polymerization of Norbornene Using Bis(β-ketoamino) nickel(II)/Tris(pentafluoro-phenyl) borane Catalytic Systems, 4733C
—; Ge, X.; Liu, H.; Wang, M.; Zhang, Z.: Cagelike Polymer Microspheres With Hollow Core/Porous Shell Structures, 933C
He, Y. See Zhou, E., 629C
Hedden, R. C. See Patil, H. P., 3267C, 3267P
Hedenqvist, M. S. See Ritums, J. E., 723P
Hedrick, J. See Lin, Q., 1482P
Heiderhoff, R. See Tsami, A., 4773C
Heiney, P. A. See Percec, V., 4974C
Heller, C.
—; Pucher, N.; Seidl, B.; Kalinyaprak-Icten, K.; Ullrich, G.; Kuna, L.; Satzinger, V.; Schmidt, V.; Lichtenegger, H. C.; Stampfl, J.; Liska, R.: One- and Two-Photon Activity of Cross-Conjugated Photoinitiators with Bathochromic Shift, 3280C
Herbst, B. See Lin, Q., 1482P
Herczegh, P. See Nagy, M., 5149C
Hermel-Davidock, T. J.
—; Sean Tang, H.; Murray, D. J.; Hahn, S. F.: Control of the Block Copolymer Morphology in Templated Epoxy Thermosets, 3338P
Hernáez, E. See Martínez, V. S., 3833C
Hernández, S. I. See Compañ, V., 1798P
Hernández-Escobar, C. A. See López-Martínez, E. I., 511P
Herrera, V.
—; Pirri, R.; Asua, J. M.; Leiza, J. R.: Morphology Control in Polystyrene/Poly(methyl methacrylate) Composite Latex Particles, 2484C
Herrero, T. See Martínez, V. S., 3833C
Heunen, G. W. J. C. See Shavit-Hadar, L., 1535P
Hijazi, A. K. See Radhakrishnan, N., 5636C
Hill, D. J. T. See Kiani, K., 1074C
Hill, N. L.
—; Braslau, R.: Synthesis of Arylethyl-Functionalized *N*-Alkoxyamine Initiators and Use in Nitroxide-Mediated Radical Polymerization, 2341C

Hillmyer, M. A. See Lynd, N. A., 3386P; Switek, K. A., 361C
—; Polydisperse Block Copolymers: Don't Throw Them Away, 3249P
Hiltner, A. See Jin, Y., 1138P, 1788P
Hino, T. See Hanaoka, H., 3668C; Komatsu, H., 3370C
Hirai, M. See Miyatake, K., 157C
Hirohara, S. See Obata, M., 2876C
Hiroi, T. See Shimada, S., 162P
Hizal, G. See Altintas, O., 3588C; Gungor, E., 1055C
Ho, A. See Chang, J., 322P
Ho, D. L. See Hammouda, B., 2196P
Hochstetter, G. See Roguet, E., 3046P
Höcker, H. See Vidović, E., 4536C
Hogen-Esch, T. See Franta, E., 2576C
Holder, E. See Tsami, A., 4773C
Honda, Y. See Akiyama, Y., 2031P
Hong, C. K. See Hong, J., 3477C; Kim, M., 4413C
Hong, H.
—; Zhang, Z.; Chung, T. C. M.; Lee, R. W.: Synthesis of New 1-Decene-Based LLDPE Resins and Comparison with the Corresponding 1-Octene- and 1-Hexene-Based LLDPE Resins, 639C
Hong, J. See Lee, J., 1236C
—; Hong, C. K.; Choe, S.; Shim, S. E.: Preparation of Poly(acrylamide)/MWNTs Nanocomposite Using Carboxylated MWNTs, 3477C
Hong, J.-L. See Su, F.-K., 920P
Hong, S. See He, X., 4733C
Honjyo, S. See Ihara, E., 4597C
Hoogenboom, R.
—; Thijs, H. M. L.; Fijten, M. W. M.; Schubert, U. S.: Synthesis, Characterization, and Cross-Linking of a Library of Statistical Copolymers Based on 2-"Soy Alkyl"-2-Oxazoline and 2-Ethyl-2-Oxazoline, 5371C
—; Thijs, H. M. L.; Fijten, M. W. M.; van Lankvelt, B. M.; Schubert, U. S.: One-Pot Synthesis of 2-Phenyl-2-oxazoline-Containing Quasi-Diblock Copoly(2-oxazoline)s under Microwave Irradiation, 416C
Horák, D. See Macková, H., 5884C
Hori, K. See Inomata, K., 129P
Horikiri, M.
—; Sudo, A.; Endo, T.: Acceleration Effect of Five-Membered Cyclic Dithiocarbonate on an Epoxy–Amine Curing System, 4606C
Hoshino, A. See Yamashita, M., 684P
Hosoya, K. See Kubo, T., 3811C
Hoyle, C. E. See Jiménez, Z., 3009C; Li, Q., 5103C; Wei, H., 822C
Hrymak, A. N. See Motlagh, G. H., 1808P
Hsiao, S.-H. See Liou, G.-S., 2004C
Hsieh, K. H. See Lin, Y. H., 3231C; Kuo, C.-H., 4504C
Hsieh, Y.-L. See Liou, G.-S., 4921C
Hsiue, G.-H.
—; Lo, C.-L.; Cheng, C.-H.; Lin, C.-P.; Huang, C.-K.; Chen, H.-H.: Preparation and Characterization of Poly (2-methacryloyloxyethyl phosphorylcholine)-*block*-Poly(D,L-lactide) Polymer Nanoparticles, 688C
Hsu, C.-S. See Yang, S.-H., 3440C
Hsu, C.-W. See Liu, Y.-L., 1007C
Hsu, S.-F.
—; Wu, T.-M.; Liao, C.-S.: Nonisothermal Crystallization Behavior and Crystalline Structure of Poly(3-hydroxybutyrate)/Layered Double Hydroxide Nanocomposites, 995P
Hsu, S. L.-C. See Lee, P.-I., 1492C
Hu, C. P. See Su, T., 5005C
Hu, G.-H. See Vidotti, S. E., 3084P
Hu, J. See Chen, S., 444P; Fei, X., 5923C; Wang, F., 4552C
Hu, K. See Zheng, H., 2609C
Hu, T. See Chen, L., 4322C; Chen, S., 873C
Hu, X. See Li, Y., 1494P; Lu, C., 3204C; Xie, Z., 1737C
—; Chen, X.; Xie, Z.; Liu, S.; Jing, X.: Synthesis and Characterization of Amphiphilic Block Copolymers with Allyl Side-Groups, 5518C
Hu, Y. See Han, X., 532P; Zhang, X., 59C
—; Shiotsuki, M.; Masuda, T.: Synthesis and Properties of Various Poly(diarylacetylenes) Containing Siloxy and Hydroxy Groups, 4487C
Hua, D. See Zheng, H., 2609C
—; Ge, X.; Tang, J.; Zhu, X.; Bai, R.; Pan, C.: Low-Temperature Controlled Free-Radical Polymerization of Vinyl Monomers in the Presence of a Novel Cyclic Dixanthate under γ-Ray Irradiation, 2847C
Hua, Y. L. See Yang, L. Y., 4291C
Huaming, M. See Szablan, Z., 1931C
Huang, C.-K. See Hsiue, G.-H., 688C
Huang, C.-Y. See Lee, R.-H., 330P
Huang, H. See Cheng, Y., 650C
Huang, H.-M. See Liou, G.-S., 2004C
Huang, J. See Huijbrechts, A. A. M. L., 2734C; Pang, X., 5824C; Xu, S., 4901C
Huang, J.-M. See Yei, D.-R., 1781P
—; Kuo, S.-W.; Lee, Y.-J.; Chang, F.-C.: Synthesis and Characterization of a Vinyl-Terminated Benzoxazine Monomer and Its Blends with Poly(ethylene oxide), 644P
Huang, J.-W.
—; Bai, S. J.: Layer Effects of Photovoltaic Heterojunction of Fully Conjugated Heterocyclic Aromatic Rigid-Rod Polymer Poly-*p*-phenylenebenzob-isoxazole, 988P
Huang, K. See Liu, Y., 2152C
Huang, N.-K. See Liou, G.-S., 48C
Huang, R. See Lu, J., 2715P
—; Koning, C. E.; Chadwick, J. C.: Effects of Hydrogen in Ethylene Polymerization and Oligomerization with Magnesium Chloride-Supported Bis(imino)pyridyl Iron Catalysts, 4054C
Huang, W. See Pu, K.-Y., 3776C; Wang, H.-Y., 1066C; Wen, G.-A., 388C; Zhao, P., 242C
Huang, X. See Peng, D., 3687C; Yin, W., 1754P; Zhang, X., 5509C
Huang, Y.
—; Paul, D. R.: Effect of Molecular Weight and Temperature on Physical Aging of Thin Glassy Poly(2,6-dimethyl-1,4-

phenylene oxide) Films, 1390P
Huang, Y.-Q. See Pu, K.-Y., 3776C
Hub, C.
—; Harton, S. E.; Hunt, M. A.; Fink, R.; Ade, H.: Influence of Sample Preparation and Processing on Observed Glass Transition Temperatures of Polymer Nanocomposites, 2270P
Hughes, O. R.
—; Frequency Dependence of Hysteresis Associated with the Electromechanical Performance of PVDF Film, 3207P
Huijbrechts, A. A. M. L.
—; Huang, J.; Schols, H. A.; van Lagen, B.; Visser, G. M.; Boeriu, C. G.; Sudhölter, E. J. R.: 1-Allyloxy-2-hydroxypropyl-starch: Synthesis and Characterization, 2734C
Hule, R. A.
—; Pochan, D. J.: Poly(L-lysine) and Clay Nanocomposite with Desired Matrix Secondary Structure: Effects of Polypeptide Molecular Weight, 239P
Hunt, M. A. See Hub, C., 2270P
Huo, J.
—; Wang, L.; Yu, H.-J.; Deng, L.-B.; Zhou, J.-F.; Yang, Q.: Synthesis and Electrochemical Behavior of Linear Oligo(ferrocenylsilane) and Hyperbranched Poly(ferrocenylsilane), 2880P
Huo, L.
—; He, C.; Han, M.; Zhou, E.; Li, Y.: Alternating Copolymers of Electron-Rich Arylamine and Electron-Deficient 2,1,3-Benzothiadiazole: Synthesis, Characterization and Photovoltaic Properties, 3861C
Hurduc, N.
—; Enea, R.; Scutaru, D.; Sacarescu, L.; Donose, B. C.; Nguyen, A. V.: Nucleobases Modified Azo-Polysiloxanes, Materials with Potential Application in Biomolecules Nanomanipulation, 4240C
Husain, M. See Ameen, S., 2682P
Husken, D.
—; Feijen, J.; Gaymans, R. J.: Hydrophilic Segmented Block Copolymers Based on Poly(ethylene oxide) and Monodisperse Amide Segments, 4522C
Husson, S. M. See Sankhe, A. Y., 566C
Hutchings, L. R. See Dodds, J. M., 2762P
Hvilsted, S. See Bednarek, M., 333C; Forcén, P., 1899C; Hansen, N. M. L., 5770C; Lohse, B., 4401C
Hwang, D.-H. See Lee, J., 1236C
Hydro, R. M.
—; Pearson, R. A.: Epoxies Toughened with Triblock Copolymers, 1470P
Hyon, S.-H. See Sawai, D., 2632P
Hyun, D. C.
—; Jeong, U.; Ryu, D. Y.: A Simple Approach to Determine the Equilibrium Shape and Position of Sandwiched Polymer Droplets, 2729P

Iacono, S. T.
—; Budy, S. M.; Jin, J.; Smith,, Jr., D. W.: Science and Technology of Perfluorocyclobutyl Aryl Ether Polymers, 5705C
Iatrou, H. See Nikopoulou, A., 3513C
Ibarra-Gómez, R. See López-Martínez, E. I., 511P
Ichida, S. See Taylor, M. P., 3319P
Ida, T. See Shimada, S., 162P
Ihara, E.
—; Honjyo, S.; Itoh, T.; Inoue, K.; Nodono, M.: Radical Copolymerization of Alkyl 2-Norbornene-2-carboxylate with Alkyl Acrylates: Facile Incorporation of Norbornane Framework into Poly(alkyl acrylate)s, 4597C
—; Kida, M.; Fujioka, M.; Haida, N.; Itoh, T.; Inoue, K.: Palladium-Mediated Copolymerization of Diazocarbonyl Compounds With Phenyldiazomethane, 1536C
—; Kida, M.; Itoh, T.; Inoue, K.: Organoaluminum-Mediated Polymerization of Diazoketones, 5209C
—; Kurokawa, A.; Itoh, T.; Inoue, K.: A Novel Synthetic Strategy for Copolymers of Vinyl Alcohol: Radical Copolymerization of Alkoxyvinylsilanes with Styrene and Oxidative Transformation of C—Si(OR)$_2$Me into C—OH in the Copolymers to Afford Poly(vinyl alcohol-*ran*-styrene)s, 3648C
Ii, R. See Kihara, N., 963C
Iijima, T. See Yamamoto, T., 548C
Ikeda, T. See Hasan, T., 4581C
Ikehara, T.
—; Jinnai, H.; Kaneko, T.; Nishioka, H.; Nishi, T.: Local Lamellar Structures in Banded Spherulites Analyzed by Three-Dimensional Electron Tomography, 1122P
Iliev, P. V. See Berlinova, I. V., 4720C
Illingsworth, M. L.
—; Dai, H.; Wang, W.; Chow, D.; Siochi, E. J.; Yang, K.; Leiston-Belanger, J. M.; Jankauskas, J.: Pendent Polyimides Using Mellitic Acid Dianhydride. II. Structure–Property Relationships for Zirconium-Containing Pendent Polymers, 1641C
Im, S. S. See Lee, W. D., 28P
Imai, S. See Tanaka, M., 521C
Imam, M. R. See Percec, V., 4974C
Imamoto, Y. See Hanaoka, H., 3668C
Imran-ul-Haq, M. See Beuermann, S., 5626C
In, I. See Campbell, V. E., 3166C
Inagi, S.
—; Naka, K.; Chujo, Y.: Synthesis and Properties of an Amphiphilic Dithiafulvene Oligomer, 3770C
Inglefield, P. T. See Colby, R., 127P
Inomata, K.
—; Fukuda, C.; Hori, K.; Sugimoto, H.; Nakanishi, E.: Side-Chain Crystallization Behavior of Graft Copolymers Consisting of an Amorphous Main Chain and Crystalline Side Chains. II. Poly(*n*-hexyl methacrylate)-*graft*-Poly(ethylene glycol), 129P
Inomoto, N. See Sasabe, H., 4154C
Inoue, K. See Ihara, E., 1536C, 3648C, 4597C, 5209C
Iraqi, A. See Kulasi, A., 5957C
Iribarren, J. I. See Regaño, C., 116P
Ishihara, T.
—; Ban, H. T.; Hagihara, H.; Shiono, T.: Copolymerization of Propylene with 1,3-

Butadiene Using Isospecific Zirconocene Catalysts, 5731C
Ishizone, T.
—; Yashiki, D.; Kobayashi, M.; Suzuki, T.; Ito, M.; Nakahama, S.: Potassium Enolates of *N,N*-Dialkylamides as Initiators of Anionic Polymerization, 1260C
Ishizu, K.
—; Hatoyama, N.; Uchida, S.: Novel Synthesis of Rod-Coil Block Copolymers by Combination of Coordination Polymerization and ATRP, 4037C
—; Kobayakawa, N.; Takano, S.; Tokuno, Y.; Ozawa, M.: Synthesis of Polymer Particles Possessing Radical Initiating Sites on the Surface by Emulsion Copolymerization and Construction of Core–Shell Structures by a Photoinduced Atom Transfer Radical Polymerization Approach, 1771C
Ishizuka, N. See Yoshikawa, C., 4795C
Isobe, Y. See Gao, H., 3722C
Isono, Y. See Takano, A., 2277P
Itaya, A. See Machida, S., 368P
Ito, M. See Ishizone, T., 1260C
Ito, N. See Kudo, H., 4421C
Ito, T. See Kato, M., 677P
Ito, Y. See Ueda, M., 1578P
Itoh, T. See Harashina, H., 2184C; Ihara, E., 1536C, 3648C, 4597C, 5209C
Ivanov, M. T. See Lohse, B., 4401C
Iwaki, M. See Sannomiya, A., 262P
Iyoda, T. See Boyer, S. A. E., 1354P; Lin, S., 1333P
Izumi, Y. See Akiyama, Y., 2031P

Jalabert, M.
—; Fraschini, C.; Prud'homme, R. E.: Synthesis and Characterization of Poly(L-lactide)s and Poly(D-lactide)s of Controlled Molecular Weight, 1944C
James, J.
—; Ramalechume, C.; Mandal, A. B.: Physicochemical Studies on Hydrophobic PEO-PPO-PEO Triblock Copolymer Micelles in SDS Micellar Environment, 2410P
Janata, M.
—; Toman, Luděk; Spěváček, Jiří; Brus, Jiří; Sikora, A.; Látalová, P.; Vlček, P.; Michálek, Jiří; Dvořánková, B.: Amphiphilic Conetworks. III. Poly(2,3-dihydroxypropyl methacrylate)–Polyisobutylene and Poly(ethylene glycol) Methacrylate–Polyisobutylene Based Hydrogels Prepared by Two-Step Polymer Procedure, 4074C
Jancar, J. See Kalfus, J., 1380P
Jang, J. See Joo, S. H., 2263P
Janietz, S. See Yang, L. Y., 4291C
Jankauskas, J. See Illingsworth, M. L., 1641C
Janke, A. See Garcia, I., 925C
Jankova, K. See Bednarek, M., 333C; Forcén, P., 1899C
Jannasch, P. See Elmér, A. M., 79P; Lafitte, B., 269C
Jansen, M. A. G.
—; Wu, L. H.; Goossens, J. G. P.; deWit, G.; Bailly, C.; Koning, C. E.: Preparation and Characterization of Poly(butylene terephthalate)/Poly(ethylene terephthalate) Copolymers via Solid-State and Melt Polymerization, 882C
Jarrett, W. See Page, K. A., 2177P
Jayakannan, M. See Deepa, P., 2351C
Jedidi, I.
—; Ferhat-Hamida, Z.; Delmas, G.: Calorimetry in Nonstandard Conditions: The Noncrystalline Phases of Linear Polyethylene, 1932P
Jensen, J. O. See He, R., 2989C
Jeon, H.-S. See Shin, W. S., 1394C
Jeon, I.-Y.
—; Tan, L.-S.; Baek, J.-B.: Synthesis of Linear and Hyperbranched Poly(etherketone)s Containing Flexible Oxyethylene Spacers, 5112C
Jeong, U. See Hyun, D. C., 2729P
Jérôme, C. See Grignard, B., 1499C
Jérôme, R. See Bryaskova, R., 81C, 2532C; Grignard, B., 1499C; Sciannamea, V., 1219C
Jhaveri, S. B.
—; Koylu, D.; Maschke, D.; Carter, K. R.: Synthesis of Polymeric Core–Shell Particles Using Surface-Initiated Living Free-Radical Polymerization, 1575C
Ji, H.
—; Sakellariou, G.; Advincula, R. C.; Smith, G. D.; Kilbey II, S. M.; Dadmun, M. D.; Mays, J. W.: Synthesis and Characterization of Well-Defined [Polystyrene-*b*-poly(2-vinylpyridine)]$_n$ Star-Block Copolymers with Poly(2-vinylpyridine) Corona Blocks, 3949C
Jia, J. See Xu, S., 4901C
Jia, Z. See Pang, X., 5824C
Jiaming, Z.
—; Rui, L.; Jianying, H.; Jiayan, C.; Xurong, L.; Yutai, L.; Yousi, Z.: A Novel Rate-Accelerating Additive for Atom Transfer Radical Polymerization of Styrene, 4082C
Jiang, G. See Zhao, L., 2300P
Jiang, H.
—; Lim, G. T.; Reddy, J. N.; Whitcomb, J. D.; Sue, H.-J.: Finite Element Method Parametric Study on Scratch Behavior of Polymers, 1435P
Jiang, H.-J. See Wang, H.-Y., 1066C
Jiang, J. See Liu, H., 1446C
—; Lu, X.; Lu, Y.: Preparation of Carboxyl-End-Group Polyacrylamide with low Polydispersity by ATRP Initiated with Chloroacetic Acid, 3956C
Jiang, L. See Yin, W., 1754P
Jiang, P. See Zhong, H., 1542P
—; Shi, Y.; Liu, P.; Cai, Y.: Synthesis of Well-Defined Glycidyl Methacrylate Based Block Copolymers with Self-Activation and Self-Initiation Behaviors via Ambient Temperature Atom Transfer Radical Polymerization, 2947C
Jiang, S.
—; Sudol, E. D.; Dimonie, V. L.; El-Aasser, M. S.: Dispersion Copolymerization of Methyl Methacrylate and *n*-Butyl Acrylate, 2105C
Jiang, W. See Wang, D., 173P, 2890P, 2927P; Zhao, G., 2344P
Jiang, X.
—; Vogel, E. B.; Smith, III, M. R.; Baker, G. L.: Amphiphilic PEG/Alkyl-Grafted Comb Polylactides, 5227C

—; Xiong, D.; An, Y.; Zheng, P.; Zhang, W.; Shi, L.: Thermoresponsive Hydrogel of Poly(glycidyl methacrylate-*co*-*N*-isopropylacrylamide) as a Nanoreactor of Gold Nanoparticles, 2812C
—; Zhao, B.: End Group Effect on the Thermo-sensitive Properties of Well-Defined Water-Soluble Polystyrenics with Short Pendant Oligo(ethylene glycol) Groups Synthesized by Nitroxide-Mediated Radical Polymerization, 3707C
Jiang, Y.
—; Garland, M.; Carpenter, K. J.; Suresh, P. S.; Widjaja, E.: Kinetic Study of the Solution Polymerization of Methacrylamide Initiated with Potassium Persulfate Using *In Situ* Raman Spectroscopy and Band-Target Entropy Minimization, 5697C
Jiang, Z. See Wang, D., 173P, 2890P, 2927P
—; Deng, X.; Hao, J.: Thermogelling Hydrogels of Poly(ε-caprolactone-*co*-D,L-lactide)–Poly(ethylene glycol)–Poly(ε-caprolactone-*co*-D,L-lactide) and Poly(ε-caprolactone-*co*-L-lactide)–Poly(ethylene glycol)–Poly(ε-caprolactone-*co*-L-lactide) Aqueous Solutions, 4091C
Jianying, H. See Jiaming, Z., 4082C
Jiayan, C. See Jiaming, Z., 4082C
Jicsinszky, L. See Nagy, M., 5149C
Jiménez, I. See Naffakh, M., 2309P
Jiménez, Z.
—; Bounds, C.; Hoyle, C. E.; Lowe, A. B.; Zhou, H.; Pojman, J. A.: Photopolymerization Kinetics of Ionic Liquid Monomers Derived from the Neutralization Reaction Between Trialkylamines and Acid-Containing (Meth)Acrylates, 3009C
—; Pojman, J. A.: Frontal Polymerization with Monofunctional and Difunctional Ionic Liquid Monomers, 2745C
Jin, J. See Iacono, S. T., 5705C
Jin, J.-I. See Lee, S. K., 531C
Jin, M.
—; Lu, R.; Yang, Q. X.; Bao, C. Y.; Sheng, R.; Xu, T. H.; Zhao, Y. Y.: Preparation of Side-On Bisazobenzene-Containing Homopolymers and Block Copolymers via ATRP and Studies on their Photoisomerization and Photoalignment Behaviors, 3460C
Jin, R. See Li, Y., 222C; See Tang, W., 2136P
Jin, S.-H. See Gal, Y.-S., 5679C; Shin, W. S., 1394C
Jin, Y.
—; Hiltner, A.; Baer, E.: Effect of a Sorbitol Nucleating Agent on Fractionated Crystallization of Polypropylene Droplets, 1788P
—; Hiltner, A.; Baer, E.: Fractionated Crystallization of Polypropylene Droplets Produced by Nanolayer Breakup, 1138P
Jing, X. See Deng, C., 3218C; Hu, X., 5518C; Liu, Y., 3473C; Lu, C., 3204C; Niu, Y., 5050C; Ping, P., 557P; Xie, Z., 1737C
Jinnai, H. See Ikehara, T., 1122P; Kato, M., 677P
Jirachaithorn, P. See Anantawaraskul, S., 1010P
Jiu, T.
—; Li, Y.; Liu, X.; Liu, H.; Li, C.; Ye, J.; Zhu, D.: Molecular Modeling of Poly(*p*-phenylenevinylene): Synthesis and Photophysical Properties of Oligomers, 911C
Jo, C.
—; Fu, J.; Naguib, H. E.: Constitutive Modeling for Characterizing the Compressive Behavior of PMMA Open-Cell Foams, 436P
Johnin, K. See Harada, A., 5942C
Johnston, K. P. See Li, Y., 1313P
Johnston-Hall, G. See Lonsdale, D. E., 3620C
Joly-Duhamel, C. See Auvergne, R., 1324C
Jones, M.-C. See Gao, H., 2425C
Jonnalagadda, S. See Garkhal, K., 2755C
Jönsson, S. See Wei, H., 822C
Joo, J. H. See Shim, J. H., 607P
Joo, S. H.
—; Kim, J. H.; Kang, S. W.; Jang, J.; Kang, Y. S.: Propylene Sorption and Coordinative Interactions for Poly(*N*-vinyl pyrrolidone-*co*-vinyl acetate)/Silver Salt Complex Membranes, 2263P
José, N. M.
—; de Almeida Prado, L. A. S.; Schiavon, M. A.; Redondo, S. U. A.; Yoshida, I. V. P.: Partially Pyrolyzed Poly(dimethylsiloxane)-Based Networks: Thermal Characterization and Evaluation of the Gas Permeability, 299P
Jose, S. See Francis, B., 2481P
Joso, R.
—; Pan, E. H.; Stenzel, M. H.; Davis, T. P.; Barner-Kowollik, C.; Barner, L.: Ambient Temperature Synthesis of Well-Defined Microspheres via Precipitation Polymerization Initiated by UV-Irradiation, 3482C
Jost, R. See Wang, H., 800C
Jouanneaux, A. See Lucchesi, C., 3677C
Ju Lee, K.
—; Kyoung Lee, D.; Woo Kim, Y.; Choe, Woo-Seok; Hak Kim, J.: Theoretical Consideration on the Glass Transition Behavior of Polymer Nanocomposites, 2232P
Juang, Y.-T. See Woo, E. M., 1521P
Julmon, P. See Nazarenko, S., 1733P
Jung, B.-J. See Lee, S. K., 3380C
Jung, I. G.
—; Seo, J.; Chung, Y. K.; Shin, D. M.; Chun, S.-H.; Son, S. U.: Polymerization of Carboxylic Ester Functionalized Norbornenes Catalyzed by (η^3-Allyl)palladium Complexes Bearing N-Heterocyclic Carbene Ligands, 3042C
Jung, J. C. See Shin, G. J., 776C
Jung, S. H. See Shim, J. H., 607P
Jung, Y. K. See Lee, J., 1236C; Lee, S. K., 1199C; Lee, S. K., 3380C
Jungnickel, B.-J. See Liu, J., 1917P

Kabanov, A. V.
—; Khokhlov, A. R.; Zezin, A. B.: Professor Victor Kabanov (1934–2006), 3501C

Kabatc, J.
—; Zasada, M.; Pączkowski, J.: Photopolymerization Reactions Initiated by a Visible Light Photoinitiating System: Cyanine Dye/Borate Salt/1,3,5-Triazine, 3626C
Kaczmarek, H.
—; Bajer, K.: Biodegradation of Plasticized Poly(Vinyl Chloride) Containing Cellulose, 903P
Kade, M. See Vestberg, R., 2835C
Kage, S. See Matsumoto, K., 1316C
Kaim, A.
—; Deactivation Reactions in the Modeled 2,2,6,6-Tetramethyl-1-piperidinyloxy-Mediated Free-Radical Polymerization of Styrene: A Comparative Study with the 2,2,6,6-Tetramethyl-1-piperidinyloxy/Acrylonitrile System, 232C
Kaito, A.
—; Shimomura, M.; Akaba, M.; Nojima, S.: Lamellar Structural Changes in Miscible Crystalline Polymer Blends During Melting and Crystallization Processes, as Studied by Real-Time Small-Angle X-Ray Scattering Measurements, 1959P
Kakiuchi, H. See Takagi, K., 4786C
Kakuda, Y. See Kim, S., 3129C
Kalfus, J.
—; Jancar, J.: Relaxation Processes in PVAc-HA Nanocomposites, 1380P
Kalinyaprak-Icten, K. See Heller, C., 3280C
Kaluzynski, K.
—; Pretula, J.; Penczek, S.: Poly(ethylene glycol)-*b*-Phosphorylated Polyglycidols as $CaCO_3$ Crystal Growth Modifiers. II. Macromolecular Architecture versus the Crystal Size and Shape and Crystallization Inhibition, 90C
Kamigaito, M. See Azam, A. K. M. F., 1304C
Kanamoto, T. See Sawai, D., 2632P
Kanaoka, S. See Aoshima, S., 1801C
Kanari, A. See Themistou, E., 5811C
Kanazawa, A. See Aoshima, S., 1801C
—; Namiki, S.; Suzuki, M.: Thermal Polycondensation of Sugar Fluoride to Form Highly Branched Polysaccharide, 3851C
Kaneko, T. See Ikehara, T., 1122P; Kato, M., 677P
Kaneyoshi, H.
—; Matyjaszewski, K.: Synthesis of Poly(vinyl acetate)-*graft*-Polystyrene by a Combination of Cobalt-Mediated Radical Polymerization and Atom Transfer Radical Polymerization, 447C
Kang, I.-N. See Lee, S. K., 3380C
Kang, J.
—; Erdodi, G.; Kennedy, J. P.: Third-Generation Amphiphilic Conetworks. III. Permeabilities and Mechanical Properties, 4276C
Kang, S. W. See Joo, S. H., 2263P
Kang, Y. S. See Joo, S. H., 2263P
Kano, Y. See Agari, Y., 2972P
Kao, J. L.-F. See Zhang, D., 2569C
Kao, P.-C. See Chang, C.-J., 1152P
Kara, S. See Arda, E., 2918P
Karabanova, L. V.
—; Sergeeva, L. M.; Svyatyna, A. V.; Yakushev, P. N.; Egorova, L. M.; Ryzhov, V. A.; Bershtein, V. A.: Heterogeneity of Glass Transition Dynamics in Polyurethane-Poly(2-hydroxyethyl methacrylate) Semi-Interpenetrating Polymer Networks, 963P
Karadkar, P. B. See Bhole, Y. S., 3156P
Karanikolopoulos, G. See Kostakis, K., 3524C
Karasz, F. E. See Liao, L., 2048C
Kardos, K. See Kim, H., 1038C
Karim, M. R.
—; Lim, K. T.; Lee, C. J.; Bhuiyan, M. T. I.; Kim, H. J.; Park, L.-S.; Lee, M. S.: Synthesis of Core-Shell Silver–Polyaniline Nanocomposites by Gamma Radiolysis Method, 5741C
Karunakaran, R.
—; Kennedy, J. P.: Synthesis, Characterization and Properties of Novel Highly Oxygen Permeable Amphiphilic Membranes, 308C
—; Kennedy, J. P.: Synthesis, Characterization, and Crosslinking of Methacrylate-Telechelic PDMAAm-*b*-PDMS-*b*-PDMAAm Copolymers, 4284C
Kaszas, G. See Foreman, E. A., 5847C; Puskas, J. E., 1778C
Katime, I. See Martínez, V. S., 3833C
Kato, M. See Yamashita, M., 684P
—; Ito, T.; Aoyama, Y.; Sawa, K.; Kaneko, T.; Kawase, N.; Jinnai, H.: Three-Dimensional Structural Analysis of a Block Copolymer by Scanning Electron Microscopy Combined with a Focused Ion Beam, 677P
Katsumata, T. See Qu, J., 5431C
Kavitha, A. A.
—; Singha, N. K.: A Tailor-Made Polymethacrylate Bearing a Reactive Diene in Reversible Diels–Alder Reaction, 4441C
Kawaguchi, D. See Takano, A., 2277P
Kawahara, S. See Takano, A., 2277P; Ukawa, J., 1003P
Kawakami, H. See Mikawa, M., 2739P; Okazaki, Y., 1325P; Sannomiya, A., 262P
Kawamura, A. See Harada, A., 5942C
Kawasaki, R. See Sanda, F., 4450C
Kawasaki, S. See Seesukphronrarak, S., 3073C
Kawase, N. See Kato, M., 677P
Kawashima, N. See Ono, Y., 2978C
Kawashima, W. See Takano, A., 2277P
Kawashima, Y. See Tsuji, H., 2167P
Kaya, K. See Kubo, T., 3811C
Kéki, S. See Nagy, M., 5149C
Kempe, R. See Guillaume, S. M., 3611C
Kennedy, J. P. See Erdodi, G., 295C; Kang, J., 4276C; Karunakaran, R., 308C, 4284C
Kenny, J. M. See Mariani, A., 2204C
Keoshkerian, B. See Osti, M., 69C
Keren, E.
—; Sundararajan, G.: Polymerization of 1-Olefins by Zirconium/Titanium Precatalysts with O,N,O-Ligating atoms—Can Aggregation of Catalyst be Inferred from the Reaction Profile?, 3599C

Kerres, J. See Schönbeagee, 5237C
Kessler, M. R. See Lee, J. K., 1771P
Keul, H. See Reemers, S., 614C
Khalfin, R. See Shavit-Hadar, L., 1535P
Khalfin, R. L. See Rein, D. M., 766P
Kharul, U. K. See Bhole, Y. S., 3156P
Khastgir, D. See Bhadra, S., 2046P
Khokhlov, A.
—; Penczek, S.; Percec, V.; Vairon, J.-P.: Professor Nikolai Plate (1934–2007), 3503C
Khokhlov, A. R. See Gallyamov, M. O., 2368P; Kabanov, A. V., 3501C
Kiani, K.
—; Hill, D. J. T.; Rasoul, F.; Whittaker, M.; Rintoul, L.: Raft Mediated Surface Grafting of *t*-Butyl Acrylate onto an Ethylene–Propylene Copolymer Initiated by Gamma Radiation, 1074C
Kida, M. See Ihara, E., 1536C, 5209C
Kiersnowski, A.
—; Gutmann, J. S.; Pigłowski, J.: Influence of Organic Modifiers on Morphology and Crystallization of Poly (ε-caprolactone)/Synthetic Clay Intercalated Nanocomposites, 2350P
Kietzke, T. See Tang, W., 5266C
Kihara, N. See Liu, R., 1571C; Sasabe, H., 4154C
—; Ii, R.; Ogawa, A.: Synthesis and Properties of Nylon-0,2–Oxidatively Degradable Polymer That is Stable in Air, 963C
Kilambi, H.
—; Konopka, D.; Stansbury, J. W.; Bowman, C. N.: Factors Affecting the Sensitivity to Acid Inhibition in Novel Acrylates Characterized by Secondary Functionalities, 1287C
Kilbey, II, S. M. See Ji, H., 3949C; Sankhe, A. Y., 566C
Kim, B. K. See Woo, J. Y., 5590C
Kim, D. W. See Choi, M. S., 4430C; Kim, H. J., 1546C
Kim, E. H. See Woo, J. Y., 5590C
Kim, G.
—; Park, J.; Park, S.: Surface-Treated and Multilayered Poly(ε-caprolactone) Nanofiber Webs Exhibiting Enhanced Hydrophilicity, 2038P
Kim, H.
—; Daniels, E. S.; Li, S.; Mokkapati, V. K.; Kardos, K.: Polymer Encapsulation of Yttrium Oxysulfide Phosphorescent Particles via Miniemulsion Polymerization, 1038C
Kim, H.-C. See Härtner, S., 2443C
Kim, H. J. See Karim, M. R., 5741C
—; Lee, J. H.; Kim, T. H.; Lyoo, W. S.; Kim, D. W.; Lee, C.; Lee, T. S.: Synthesis of Chromo- and Fluorogenic Poly(*ortho*-diaminophenylene) Chemosensors for Fluoride Anion, 1546C
Kim, H.-K. See Fujita, Y., 5365C
Kim, H.-Y. See Chung, Y.-W., 4988C
Kim, I. See Abraham, S., 3570C; 5559C; Liu, B., 3391C
Kim, J. See Wong, C. L. H., 2842P
Kim, J. B. See Shin, G. J., 776C
Kim, J. H. See Joo, S. H., 2263P; Kim, Y. W., 1283P; Lee, D. K., 661P, 1018P; Lee, K. J., 3181P; Subramani, S., 2747P
Kim, J.-S. See Song, J.-M., 1045P
Kim, M.
—; Hong, C. K.; Choe, S.; Shim, S. E.: Synthesis of Polystyrene Brush on Multiwalled Carbon Nanotubes Treated with $KMnO_4$ in the Presence of a Phase-Transfer Catalyst, 4413C
Kim, M.-K. See Shin, W. S., 1394C
Kim, S.
—; Kakuda, Y.; Yokoyama, A.; Yokozawa, T.: Synthesis of Controlled Rod–Coil Block Copolymers by a Macroinitiator Method: Chain-Growth Polycondensation for an Aromatic Polyamide from a Polystyrene Macroinitiator, 3129C
Kim, S. C. See Shin, W. S., 1394C
Kim, T. H. See Kim, H. J., 1546C
Kim, Y. H. See Dang, T. T. M., 5277C; Tande, B. M., 1970P; Zhao, Q., 341C
—; Ford, W. T.; Mourey, T. H.: Branched Poly(styrene-*b*-*tert*-butyl acrylate) and Poly(styrene-*b*-acrylic acid) by ATRP from a Dendritic Poly(propylene imine)$(NH_2)_{64}$ Core, 4623C
Kim, Y.-H.
—; Park, J.-W.; Shin, D.-C.; You, H.; Kwon, S.-K.: Synthesis and Characterization of Highly Hindered and Thermally Stable Poly(1,4-Spirobifluorenylenevinylene) Derivative, 900C
Kim, Y. W. See Lee, D. K., 661P, 1018P; Lee, K. J., 3181P
—; Lee, D. K.; Lee, K. J.; Min, B. R.; Kim, J. H.: *In Situ* Formation of Silver Nanoparticles Within an Amphiphilic Graft Copolymer Film, 1283P
Kimura, K. See Ohshita, J., 4588C; Sato, N., 2855C
Kimura, N. See Kubo, T., 3811C
Kimura, Y. See Furuhashi, Y., 218P
Kishi, H.
—; Naitou, T.; Matsuda, S.; Murakami, A.; Muraji, Y.; Nakagawa, Y.: Mechanical Properties and Inhomogeneous Nanostructures of Dicyandiamide-Cured Epoxy Resins, 1425P
Kiskan, B.
—; Yagci, Y.; Sahmetlioglu, E.; Toppare, L.: Preparation of Conductive Polybenzoxazines by Oxidative Polymerization, 999C
—; Yagci, Y.: Thermally Curable Benzoxazine Monomer with a Photodimerizable Coumarin Group, 1670C
Kita, H. See Chen, S., 2797C
Klapper, M. See Müller, K., 1101C
Klaus, D. See Lin, Q., 1482P
Klébert, S. See Vidéki, B., 873P
Klee, D. See Vidović, E., 4536C
Klok, H.-A. See Scholl, M., 5494C
Kluger, C.
—; Binder, W. H.: Functionalized Poly(oxanorbornene)-Block-Copolymers: Preparation via Romp/Click-Methodology, 485C
Knauert, S. T.
—; Douglas, J. F.; Starr, F. W.: The Effect of Nanoparticle Shape on Polymer-Nanocomposite Rheology and Tensile Strength, 1882P

Kobayakawa, N. See Ishizu, K., 1771C
Kobayashi, M. See Ishizone, T., 1260C
Kober, E. M. See Smith, J. S., 1599P
Kobori, K. See Seesukphronrarak, S., 3073C
Koch, T. See Kogler, F. R., 2215P
Koga, K. See Fujita, Y., 5365C
Kogler, F. R.
—; Koch, T.; Peterlik, H.; Seidler, S.; Schubert, U.: Mechanical, Thermomechanical, and Thermal Properties of Polystyrene Crosslinked with a Multifunctional Zirconium Oxo Cluster, 2215P
Koh, J. H. See Lee, K. J., 3181P
Kohno, T. See Hanaoka, H., 3668C
Kojio, K. See Yamasaki, S., 800P
Kolomiets, E. See Buhler, E., 103P
Komatsu, H.
—; Ochiai, B.; Hino, T.; Endo, T.: Model Reaction for Thermally Latent Curing Through Addition of Hemiacetal Ester and Epoxide by Schiff-Base–Zinc Halide Complexes, 3370C
Komber, H. See Radhakrishnan, N., 5636C
Kondo, T. See Togawa, E., 2850P
Koning, C. E. See Huang, R., 4054C; Jansen, M. A. G., 882C
Konkolewicz, D.
—; Gray-Weale, A. A.; Gilbert, R. G.: Molecular Weight Distributions from Size Separation Data for Hyperbranched Polymers, 3112C
Kono, K. See Harada, A., 5942C
Konopka, D. See Kilambi, H., 1287C
Kopaczynska, M. See Krämer, M., 2287C
Koseva, N. See Troev, K., 1349C
Kostakis, K.
—; Mourmouris, S.; Karanikolopoulos, G.; Pitsikalis, M.; Hadjichristidis, N.: Ring-Opening Polymerization of Lactones Using Zirconocene Catalytic Systems: Block Copolymerization with Methyl Methacrylate, 3524C
Kostov, G.
—; Tredwell, M.; Gouverneur, V.; Ameduri, B.: Kinetics of Radical Copolymerization of [1-(Fluoromethyl)vinyl] benzene with Chlorotrifluoroethylene, 3843C
Koutsioubas, A. G.
—; Spiliopoulos, N.; Anastassopoulos, D. L.; Vradis, A. A.; Priftis, G. D.: Surface Plasmon Resonance as a Tool for the Estimation of Adsorbed Polymeric Layer Characteristics: Theoretical Considerations and Experiment, 2060P
Koylu, D. See Jhaveri, S. B., 1575C
Krafft, M. P.
—; Riess, J. G.: Perfluorocarbons: Life Sciences and Biomedical Uses Dedicated to the memory of Professor Guy Ourisson, a true Renaissance man, 1185C
Kragl, U. See Schütz, C., 3032C
Krajnc, P. See Leber, N., 4043C
Králová, D. See Macková, H., 5884C
Krämer, M.
—; Kopaczynska, M.; Krause, S.; Haag, R.: Dendritic Polyamine Architectures With Lipophilic Shells as Nanocompartments for Polar Guest Molecules: A Comparative Study of their Transport Behavior, 2287C
Kraus, R. G. See Emmons, E. D., 358P
Krause, S. See Krämer, M., 2287C
Krause-Rehberg, R. See Dlubek, G., 2519P
Kretschmer, K. See Gupta, S., 669C
Kricheldorf, H. R.
—; Bornhorst, K.: Cyclic and Branched Functional Polyesters Derived from 5,5′,6,6′-Tetrahydroxy-3,3,3′,3′-tetramethyl Spirobisindane and Various Dicarboxylic Acids, 1699C
—; Bornhorst, K.: Cyclic and Multicyclic Poly(ether sulfone)s by Polycondensation of 5,5′,6,6′-Tetrahydroxy-3,3,3′,3′-tetramethyl Spirobisindane and 4,4′-Difluorodiphenylsulfone, 5597C
Krishnamoorti, R.
—; Vaia, R. A.: Polymer Nanocomposites, 3252P
Ku, B.-C. See Ranganathan, T., 4573C
Kubisa, P. See Baśko, M., 3090C; Biedroń, T., 4168C
Kubo, T.
—; Kimura, N.; Hosoya, K.; Kaya, K.: Novel Polymer Monolith Prepared from a Water-Soluble Crosslinking Agent, 3811C
Kubonishi, H. See Miura, Y., 1159C
Kubota, H. See Asano, M., 2624C
Kubota, K. See Yamamoto, T., 548C
Kuchanov, S. I. See Tarasevich, K. V., 3093P
Kuckling, D. See Gupta, S., 669C
Kudo, H. See Ono, Y., 2978C
—; Ito, N.; Nakajima, K.; Ochiai, M.; Nishikubo, T.: Synthesis and Refractive-Index Control of Fluoropolymers by the Polyaddition of Bis(epoxide)s and Triazine Di(aryl ether)s, 4421C
—; Makino, S.; Nishikubo, T.: Synthesis of Macrocycles by the Ring-Crossover Reaction of a Cyclic Dithioester, 680C
—; Nishikubo, T.: Catalytic Reactions of Oxetanes with Protonic Reagents and Aprotic Reagents Leading to Novel Polymers, 709C
Kühn, F. E. See Radhakrishnan, N., 5636C
Kulasi, A.
—; Yi, H.; Iraqi, A.: Triarylamine *N*-functionalized 3,6-Linked Carbazole Main Chain Polymers and Copolymers: Preparation and Physical Properties, 5957C
Kumar, A. See D'Angelo, J. G., 2328C
Kumar, N. See Garkhal, K., 2755C
Kumar, P.
—; Fukahori, Y.; Thomas, A. G.; Busfield, J. J. C.: Volume Changes Under Strain Resulting From the Incorporation of Rubber Granulates Into a Rubber Matrix, 3169P
Kumar, S. A.
—; Kumaran, M. G.; Thomas, S.: Sorption and Diffusion of Normal Alkanes Through Poly(Ethylene-*co*-vinyl acetate) Membranes, 2470P
Kumar, S. K. See Chen, X., 3349P

Kumaran, M. G. See Kumar, S. A., 2470P
Kumari, S.
—; Mishra, A. K.; Chattopadhyay, D. K.; Raju, K. V. S. N.: Synthesis and Characterization of Hyperbranched Polyesters and Polyurethane Coatings, 2673C
Kuna, L. See Heller, C., 3280C
Kunai, A. See Ohshita, J., 4588C
Kunugi, Y. See Ohshita, J., 4588C
Kuo, C.-H.
—; Cheng, W.-K.; Lin, K.-R.; Leung, M.-K.; Hsieh, K.-H.: High-Efficiency Poly(phenylenevinylene)-*co*-fluorene Copolymers Incorporating a Triphenylamine as the End Group for White-Light-Emitting Diode Applications, 4504C
Kuo, S.-W. See Chan, S.-C., 125C; Huang, J.-M., 644P; Yei, D.-R., 1781P
Kurmaev, E. Z. See Shimada, S., 162P
Kurokawa, A. See Ihara, E., 3648C
Kwak, S.-Y. See Choi, J., 577P
Kwak, Y.-W. See Ohshita, J., 4588C
Kwon, S.-K. See Dang, T. T. M., 5277C; Kim, Y.-H., 900C; Zhao, Q., 341C
Kyoung Lee, D. See Ju Lee, K., 2232P
Kyu, T. See Dayal, P., 429P

La Carrubba, V.
—; Piccarolo, S.; Brucato, V.: Solidification of Syndiotactic Polystyrene by a Continuous Cooling Transformation Approach, 2688P
Lafitte, B.
—; Jannasch, P.: Polysulfone Ionomers Functionalized with Benzoyl(difluorome thylenephosphonic acid) Side Chains for Proton-Conducting Fuel-Cell Membranes, 269C
Lagowski, J. B. See Ferdous, S., 1983P
Lai, J.-Y. See Liaw, D.-J., 2367C, 3022C
Lai, W. See Cao, L., 955C
Lalevée, J.
—; El-Roz, M.; Allonas, X.; Fouassier, J. P.: Controlled Photopolymerization Reactions: The Reactivity of New Photoiniferters, 2436C
—; Zadoina, L.; Allonas, X.; Fouassier, J. P.: New Sulfur-Centered Radicals as Photopolymerization Initiating Species, 2494C
Lam, J. W. Y. See Häußler, M., 4249C
Lan, Q.
—; Francis, L. F.; Bates, F. S.: Silica Nanoparticle Dispersions in Homopolymer Versus Block Copolymer, 2284P
Lan, Y. See Zheng, Y., 2835P
Lanceros-Mendez, S. See Branciforti, M. C., 2793P
Lapienis, G.
—: The Influence of Precursor's Length and [Diepoxide]$_o$/[MPEG]o Ratio on Poly(ethylene glycol) Star Formation: The Quantitative Conversion of Both Precursors, 5017C
Larson, R. G.
—; Looking Inside the Entanglement "Tube" Using Molecular Dynamics Simulations, 3240P
Lastella, S.
—; Yang, H.; Ajayan, P. M.; Ryu, C. Y.; Rider, D.; Manners, I.: Influences of Organometallic Polymer-Derived Catalyst Dispersion on SWNT Growth, 758P
Látalová, P. See Janata, M., 4074C
Laurienzo, P. See Cerruti, P., 840P
Lavall, R. L. See Machado, J. C., 2400P
Lavorgna, M.
—; Mensitieri, G.; Scherillo, G.; Shaw, M. T.; Swier, S.; Weiss, R. A.: Polymer Blend for Fuel Cells Based on SPEKK: Effect of Cocontinuous Morphology on Water Sorption and Proton Conductivity, 395P
Leber, N.
—; Fay, J. D. B.; Cameron, N. R.; Krajnc, P.: 2,4,6-Trichlorophenyl Acrylate Emulsion-Templated Porous Polymers (PolyHIPEs). Morphology and Reactivity Studies, 4043C
Ledezma, R.
—; Treviño, M. E.; Elizalde, L. E.; Pérez-Carrillo, L. A.; Mendizábal, E.; Puig, J. E.; López, R. G.: Semicontinuous Heterophase Polymerization Under Monomer Starved Conditions to Prepare Nanoparticles with Narrow Size Distribution, 1463C
Lee, B. H. See Saikia, P. J., 348C
Lee, B.-I. See Chung, Y.-W., 4988C
Lee, C. See Kim, H. J., 1546C
Lee, C. J. See Karim, M. R., 5741C
Lee, C.-F.
—; Chou, Y.-H.; Chiu, W.-Y.: Synthesis and Morphology of an Iron Oxide/Polystyrene/Poly(isopropylacrylamide-*co*-methacrylic acid) Thermosensitive Magnetic Composite Latex with Potassium Persulfate as the Initiator, 3062C
—; Chou, Y.-H.; Chiu, W.-Y.: Synthesis and Morphology of Fe_3O_4/polystyrene/poly(isopropylacrylamide-*co*-methyl acrylate acid) Magnetic Composite Latex – 2,2′-Azobis (2-methyl-propionamidine) Dihydrochloride as Initiator, 3912C
Lee, D. K. See Kim, Y. W., 1283P
—; Kim, Y. W.; Lee, K. J.; Min, B. R.; Kim, J. H.: Thermodynamic Model of Gas Permeability in Polymer Membranes, 661P
—; Lee, K. J.; Kim, Y. W.; Min, B. R.; Kim, J. H.: Nanostructure, Interactions, and Conductivities of Polymer Electrolytes Comprising Silver Salt and Microphase-Separated Graft Copolymer, 1018P
Lee, H.-F. See Chan, S.-C., 125C
Lee, H. J.
—; Michielsen, S.: Preparation of a Superhydrophobic Rough Surface, 253P
Lee, H.-J. See Lin, Q., 1482P
Lee, H.-S.
—; Badami, A. S.; Roy, A.; McGrath, J. E.: Segmented Sulfonated Poly(arylene ether sulfone)-*b*-Polyimide Copolymers for Proton Exchange Membrane Fuel Cells. I. Copolymer Synthesis and Fundamental Properties, 4879C
Lee, J. See Popov, Y. O., 3223P; Lee, S. K., 3380C; Lee, S. K., 1199C

—; Lee, J.-I.; Park, M.-J.; Jung, Y. K.; Cho, N. S.; Cho, H. J.; Hwang, D.-H.; Lee, S.-K.; Park, J.-H.; Hong, J.; Chu, H. Y.; Shim, H.-K.: Phenothiazine-*S,S*-dioxide- and Fluorene-Based Light-Emitting Polymers: Introduction of e^--Deficient *S,S*-Dioxide into e^--Rich Phenothiazine, 1236C

Lee, J. H. See Choi, M. S., 4430C; Kim, H. J., 1546C

Lee, J.-I. See Lee, S. K., 3380C; Lee, J., 1236C; Lee, S. K., 1199C

Lee, J. K.

—; Liu, X.; Yoon, S. H.; Kessler, M. R.: Thermal Analysis of Ring-Opening Metathesis Polymerized Healing Agents, 1771P

Lee, J. M. See Saikia, P. J., 348C

Lee, J. W. See Shin, W. S., 1394C

Lee, J.-K. See Shin, W. S., 1394C

Lee, J.-Y. See Subramani, S., 2747P

Lee, K.-H. See Ohshita, J., 4588C

Lee, K. J. See Kim, Y. W., 1283P; Lee, D. K., 661P, 1018P

—; Kim, Y. W.; Koh, J. H.; Kim, J. H.: Supramolecular Polymer/Metal Salt Complexes Containing Quadruple Hydrogen Bonding Units, 3181P

Lee, K.-R. See Liaw, D.-J., 2367C, 3022C

Lee, K.-W.

—; Lin, H.-C.: Synthesis and Characterization of Liquid Crystalline Side-Chain Block Copolymers Containing Luminescent 4,4'-Bis(biphenyl)fluorene Pendants, 4564C

Lee, M. S. See Karim, M. R., 5741C

Lee, P.-I.

—; Hsu, S. L.-C.: Synthesis and Properties of Novel Electrophosphorescent Polymers from Quinoline- and Pyridine-End-Capped Polyfluorenes with Rhenium(I) Chromophores, 1492C

Lee, R.-H.

—; Lin, K.-T.; Huang, C.-Y.: High Red, Green, and Blue Color Purity Electroluminescence From MEH-PPV and Polyalkyfluorenes-Based Bright White Polymer Light Emitting Displays, 330P

Lee, R. W. See Hong, H., 639C

Lee, S.-H.

—; Teramoto, Y.; Wang, S.; Pharr, G. M.; Rials, T. G.: Nanoindentation of Biodegradable Cellulose Diacetate-*graft*-Poly(L-lactide) Copolymers: Effect of Molecular Composition and Thermal Aging on Mechanical Properties, 1114P

Lee, S.-J. See Shin, W. S., 1394C

Lee, S. K.

—; Ahn, T.; Cho, N. S.; Lee, J.-I.; Jung, Y. K.; Lee, J.; Shim, H. K.: Synthesis of New Polyfluorene Copolymers with a Comonomer Containing Triphenylamine Units and Their Applications in White-Light-Emitting Diodes, 1199C

—; Cho, M. J.; Jin, J.-I.; Choi, D. H.: Stability Control of the Electrooptic Effect with New Maleimide Copolymers Containing Photoreactive Tricyanopyrrolidene-Based Chromophores, 531C

—; Jung, B.-J.; Ahn, T.; Jung, Y. K.; Lee, J.-I.; Kang, I.-N.; Lee, J.; Park, J.-H.; Shim, H. K.: White Electroluminescence From a Single Polyfluorene Containing Bis-DCM Units, 3380C

Lee, S.-K. See Lee, J., 1236C

Lee, T. S. See Choi, M. S., 4430C; Kim, H. J., 1546C

Lee, W. D.

—; Im, S. S.: Thermomechanical Properties and Crystallization Behavior of Layered Double Hydroxide/Poly(ethylene terephthalate) Nanocomposites Prepared by *In-situ* Polymerization, 28P

Lee, W.-Y. See Lin, H.-Y., 1727C; Wu, W.-C., 67P

Lee, Y.-J. See Huang, J.-M., 644P

Legge, T. M. See Gemici, H., 2334C

Lehn, J.-M. See Buhler, E., 103P

Lei, B. See Xu, Z., 942C

Lei, P. See Zhang, L., 2617C

Leiston-Belanger, J. M. See Illingsworth, M. L., 1641C

Leiza, J. R. See Herrera, V., 2484C

Lemmouchi, Y.

—; Perry, M. C.; Amass, A. J.; Chakraborty, K.; Schacht, E.: Novel Synthesis of Biodegradable Amphiphilic Linear and Star Block Copolymers Based on Poly(ε-caprolactone) and Poly(ethylene glycol), 3975C

—; Perry, M. C.; Amass, A. J.; Chakraborty, K.; Schacht, E.: Novel Synthesis of Biodegradable Star Poly(ethylene glycol)-*block*-poly(lactide) Copolymers, 3966C

—; Perry, M. C.; Amass, A. J.; Chakraborty, K.; Schué, F.: Novel Synthesis of Biodegradable Poly(lactide-*co*-ethylene glycol) Block Copolymers, 2235C

Leontie, L. See Rusu, G., 794P

Lépine, O.

—; Birot, M.; Deleuze, H.: Elaboration of Open-Cell Microcellular Nanocomposites, 4193C

Lepoittevin, B. See Bech, L., 2172C

Leroux, J.-C. See Gao, H., 2425C

Lespinasse, G. See Hakme, C., 1950P

Leung, M.-K. See Kuo, C.-H., 4504C

Levina, A. See Amir, N., 4264C

Lewis, G. T.

—; Nguyen, V.; Cohen, Y.: Synthesis of Poly(4-vinylpyridine) by Reverse Atom Transfer Radical Polymerization, 5748C

Lex, A. See Sandholzer, M., 1336C

Li, A.-L. See Yu, P., 3739C

Li, B. See Gao, J., 3098C; Luo, Y., 2304C

—; Marand, H.; Esker, A. R.: Dendritic Growth of Poly(ε-Caprolactone) Crystals from Compatible Blends with Poly(*t*-Butyl Acrylate) at the Air/Water Interface, 3300P

Li, B.-G. See Zhang, J., 3562C

Li, C. See Jiu, T., 911C; Wang, E., 4941C; Xu, H., 5308C; Yang, Y., 5759C

—; Guo, Y.; Lv, J.; Xu, J.; Li, Y.; Wang, S.; Liu, H.; Zhu, D.: Induced Helix Formation and Stabilization of a Meta-Linked Polymer Containing Pyridine Units, 1403C

Li, C.-Y.

—; Chiu, W.-Y.; Don, T.-M.: Morphology of PU/PMMA Hybrid Particles from Miniemulsion Polymerization: Thermodynamic Considerations, 3359C

—; Chiu, W.-Y.; Don, T.-M.: Polyurethane/Polyaniline and

Polyurethane-Poly(methyl methacrylate)/Polyaniline Conductive Core-Shell Particles: Preparation, Morphology, and Conductivity, 3902C
Li, C.-Z. See Yang, G.-Z., 976P
Li, D. See Sha, K., 5037C
Li, G.
—; Wang, J.; Park, C. B.; Simha, R.: Measurement of Gas Solubility in Linear/Branched PP Melts, 2497P
Li, H. See Chen, Y., 1226P; Sun, J., 2594P; Tsami, A., 4773C; Zhang, X., 59C
Li, J. See Li, S., 5459C; Liu, Y., 4867C; Luo, J., 1424C; Xu, Z., 942C
—; He, W.-D.; Sun, X.-L.: Preparation of Poly(styrene-*b*-*N*-isopropylacrylamide) Micelles Surface-Linked with Gold Nanoparticles and Thermo-Responsive Ultraviolet–Visible Absorbance, 5156C
—; Sun, M.; Bo, Z.: Synthesis of Hyperbranched Polymers with Precise Conjugation Length, 1084C
—; Yu, H.: Synthesis and Characterization of Sulfonated Poly(benzoxazole ether ketone)s by Direct Copolymerization as Novel Polymers for Proton-Exchange Membranes, 2273C
—; Yu, X.; Guo, S.: Development of Morphology and Properties of Injection-Molded Bars of HDPE/PA6 Blends Along Flow Direction, 184P
Li, J. L. See Cheng, L., 1525C
Li, K. See Xie, B., 5123C
Li, L. See Li, S., 5459C; Xiao, X., 2410C; Zhang, X., 5509C
Li, L. Q. See Yang, L. Y., 4291C
Li, M. See Li, S., 5459C; Peng, Q., 1632C
Li, Q. See He, R., 2989C
—; Zhou, H.; Wicks, D. A.; Hoyle, C. E.: Thiourethane-Based Thiol-Ene High T_g Networks: Preparation, Thermal, Mechanical, and Physical Properties, 5103C
Li, R. K. Y. See Zhang, R. H., 2674P
Li, S. See Kim, H., 1038C
—; Chen, H.; Bi, W.; Zhou, J.; Wang, Y.; Li, J.; Cheng, W.; Li, M.; Li, L.; Tang, T.: Synthesis and Characterization of Polyethylene Chains Grafted onto the Sidewalls of Single-Walled Carbon Nanotubes via Copolymerization, 5459C
Li, S.-B. See Zhao, P., 242C
Li, S.-L. See Zou, T., 5256C
Li, T. See Chen, T., 1898P; Yan, J., 4933C
Li, W.
—; Chen, G.; Zhang, S.; Wang, H.; Yan, D.: Synthesis and Properties of Novel Regioirregular Polyimides from Easily Synthesized Asymmetrical Dichlorophthalimide Monomers, 3550C
Li, X. See Lin, Y., 26C; Zhang, Y., 3303C, 3994C
—; Hay, A. S. High-Molecular-Weight Fluorinated Aromatic Polyformal Containing a Phthalazinone Moiety, 975C
Li, Y. See Huo, L., 3861C; Jiu, T., 911C; Li, C., 1403C; Lin, Y., 26C; Liu, B., 3391C; Sha, K., 5037C; Xu, J., 5932C; Zhou, E., 629C
—; Hu, X.: Polymorphism of Nylon-6 in Nylon-6/Nanoclay/Functionalized Polyolefin Blends, 1494P
—; Jin, R.; Wang, Z.; Cui, Z.; Xing, W.; Gao, L.: Synthesis and Properties of Novel Sulfonated Polyimides Containing Binaphthyl Groups as Proton-Exchange Membranes for Fuel Cells, 222C
—; Park, E. J.; Lim, K. T.; Johnston, K. P.; Green, P. F.: Role of Interfacial Interactions on the Anomalous Swelling of Polymer Thin Films in Supercritical Carbon Dioxide, 1313P
—; Shimizu, H.; Furumichi, T.; Takahashi, Y.; Furukawa, T.: Crystal Forms and Ferroelectric Properties of Poly(vinylidene fluoride)/Polyamide 11 Blends Prepared by High-Shear Processing, 2707P
—; Wu, Y.; Xu, X.; Liang, L.; Wu, G.: Electron-Pair-Donor Reaction Order in the Cationic Polymerization of Isobutylene Coinitiated by $AlCl_3$, 3053C
—; Xiao, F.; Wong, C. P.: Novel, Environmentally Friendly Crosslinking System of an Epoxy Using an Amino Acid: Tryptophan-Cured Diglycidyl Ether of Bisphenol A Epoxy, 181C
—; Yang, J.; Benicewicz, B. C.: Well-Controlled Polymerization of 2-Azidoethyl Methacrylate at Near Room Temperature and Click Functionalization, 4300C
Li, Y.-G. See Liu, X.-H., 1272C
Li, Y.-S. See Lin, Y., 4309C; Liu, X.-H., 1272C
Li, Y.-Y. See Zhu, J.-L., 5354C
Li, Z. See Zhang, Y., 605C
Li, Z.-C. See Xu, N., 1889C
Li, Z.-M. See Xu, H.-S., 1205P
Liang, H. See Yu, P., 3739C
Liang, L. See Li, Y., 3053C; Zheng, Y., 2835P
Liang, S.
—; Xu, J.; Weng, L.; Zhang, L.; Guo, X.; Zhang, X.: Electrically Induced Linear Locomotion of Polymer Gel in Air, 1187P
Liantonio, R. See Metrangolo, P., 1C
Liao, C.-S. See Hsu, S.-F., 995P
Liao, K. See Guan, X., 2556C
Liao, L.
—; Cirpan, A.; Chu, Q.; Karasz, F. E.; Pang, Y.: Synthesis and Optical Properties of Light-Emitting π-Conjugated Polymers Containing Biphenyl and Dithienosilole, 2048C
—; Zhang, C.; Gong, S.: Microwave-Assisted Ring-Opening Polymerization of Trimethylene Carbonate in the Presence of Ionic Liquid, 5857C
Liao, X.
—; He, J.; Zhang, J.; Ma, W.: Effect of Cosolvent on Solid Phase Transitions of α- to β-Form Crystal of Syndiotactic Polystyrene Occurred in Supercritical CO_2 Containing Solvent, 1625P
Liau, G.-F. See Su, F.-K., 920P
Liaw, D.-J.
—; Wang, K.-L.; Chang, F.-C.; Lee, K.-R.; Lai, J.-Y.: Novel Poly(pyridine imide) with Pendent Naphthalene Groups: Synthesis and Thermal, Optical, Electrochemical, Electrochromic, and Protonation Characterization, 2367C

—; Wang, K.-L.; Lee, K.-R.; Lai, J.-Y.: Ring-Opening Metathesis Polymerization of New Norbornene-Based Monomers Containing Various Chromophores, 3022C
Lichtenegger, H. C. See Heller, C., 3280C
Licinio, P. See Machado, J. C., 2400P
Lickfield, G. C. See Chen, W., 1821P
Liechty, W. B. See White, T. J., 4062C
Liem, H. See Chen, S., 444P
Lim, G. T. See Jiang, H., 1435P
Lim, K. T. See Karim, M. R., 5741C; Li, Y., 1313P
Limtrakul, J. See Anantawaraskul, S., 1010P
Lin, C. H. See Lin, C. H., 2897C
—; Lin, C. H.: Synthesis and Properties of Polyimides Derived from 1,4-Bis(4-aminophenoxy)-2-(6-oxido-6*H*-dibenz[*c*,*e*][1,2]oxaphosphorin-6-yl) phenylene, 2897C
Lin, C.-L. See Wang, Y.-Z., 502P
Lin, C.-P. See Hsiue, G.-H., 688C
Lin, G.-C. See Liu, Y.-L., 949C
Lin, H. See Lu, W., 860P
Lin, H.-M. See Chan, S.-C., 125C
Lin, H.-C. See Chen, Y.-Y., 3243C; Lee, K.-W., 4564C
Lin, H.-Y. See Liou, G.-S., 4352C, 4921C
—; Liou, G.-S.; Lee, W.-Y.; Chen, W.-C.: Poly(triarylamine): Its Synthesis, Properties, and Blend with Polyfluorene for White-Light Electroluminescence, 1727C
Lin, J. See Chen, T., 1898P; Lin, S., 1333P
Lin, J.-L. See Wu, W.-C., 67P
Lin, K.-F. See Chien, A.-T., 5583C
Lin, K.-R. See Kuo, C.-H., 4504C
Lin, K.-T. See Lee, R.-H., 330P
Lin, Q.
—; Cohen, S. A.; Gignac, L.; Herbst, B.; Klaus, D.; Simonyi, E.; Hedrick, J.; Warlaumont, J.; Lee, H.-J.; Wu, W.-L.: Low Dielectric Constant Nanocomposite Thin Films Based on Silica Nanoparticle and Organic Thermosets, 1482P
Lin, S. See Chen, T., 1898P
—; Lin, J.; Nose, T.; Iyoda, T.: Micellar Structures of Block-Copolymers with Ordered Cores in Dilute Solution as Studied by Polarized and Depolarized Light Scattering, 1333P
Lin, Y. See Liu, X.-H., 1272C
—; Dong, Z.-M.; Liu, X.-H.; Li, Y.-S.: Facile Synthesis and Characterization of Hyperbranched Poly(ether amide)s Generated from Michael Addition Polymerization of *In Situ* Created AB_2 Monomers, 4309C
—; Liu, X.; Li, X.; Zhan, J.; Li, Y.: Reversible Addition–Fragmentation Chain Transfer Mediated Radical Polymerization of Asymmetrical Divinyl Monomers Targeting Hyperbranched Vinyl Polymers, 26C
Lin, Y. H.
—; Chou, N. K.; Chang, C. H.; Wang, S. S.; Chu, S. H.; Hsieh, K. H.: Blood Compatibility of Fluorodiol-Containing Polyurethanes, 3231C
Lin, Y.-Y. See Yuen, S.-M., 3349C
Linares, A.
—; Nogales, A.; Rueda, D. R.; Ezquerra, T. A.: Molecular Dynamics in PVDF/PVA Blends as Revealed by Dielectric Loss Spectroscopy, 1653P
Lindström, A.
—; Hakkarainen, M.: Miscibility and Surface Segregation in PVC/Polyester Blends—The Influence of Chain Architecture and Composition, 1552P
Ling, L. See Xu, X., 99C
Ling, Q.-D. See Zhao, P., 242C
Liu, A. See Zhu, Z., 830C
Liou, G.-S. See Lin, H.-Y., 1727C
—; Chang, C.-W.; Huang, H.-M.; Hsiao, S.-H.: Synthesis and Electrochromism of Novel Organosoluble Polyarylates Bearing Triphenylamine Moieties, 2004C
—; Huang, N.-K.; Yang, Y.-L.: Thermally Stable, Light-Emitting, Triphenylamine-Containing Poly(amine hydrazide)s and Poly(amine-1,3,4-oxadiazole)s Bearing Pendent Carbazolyl Groups, 48C
—; Lin, H.-Y.; Hsieh, Y.-L.; Yang, Y.-L.: Synthesis and Characterization of Wholly Aromatic Poly(azomethine)s Containing Donor–Acceptor Triphenylamine Moieties, 4921C
—; Yang, Y.-L.; Chen, W.-C.; Su, Y. O.: 4-Methoxy-Substituted Poly(triphenylamine): A P-Type Polymer with Highly Photoluminescent and Reversible Oxidative Electrochromic Characteristics, 3292C
—; Yen, H.-J.; Su, Y.-T.; Lin, H.-Y.: Synthesis and Properties of Wholly Aromatic Polymers Bearing Cardo Fluorene Moieties, 4352C
Liska, R. See Heller, C., 3280C
Liu, B. See Luo, Y., 2304C
—; Li, Y.; Shin, B.-G.; Yoon, D. Y.; Kim, I.; Zhang, L.; Yan, W.: Pd (II)-Catalyzed Vinyl Addition Polymerization of Novel Functionalized Norbornene Bearing Dimethyl Carboxylate Groups, 3391C
Liu, C. See Pang, X., 5824C
Liu, C.-L. See Cheng, K.-F., 5872C
Liu, C.-S. See Liu, Y.-L., 4161C
Liu, C.-Y.
—; A Novel Method to Characterize the Compatibilizer Effect in Polymer Blend, 3215P
Liu, G.-L. See Shieh, Y.-T., 466P, 1870P
Liu, H. See Han, X., 532P; He, X., 933C; Jiu, T., 911C; Li, C., 1403C; Ramanathan, T., 2097P; Xu, J., 5932C
—; Chen, Y.; Shen, Z.: Thermoresponsive Hyperbranched Polyethylenimines With Isobutyramide Functional Groups, 1177C
—; Xu, J.; Jiang, J.; Yin, J.; Narain, R.; Cai, Y.; Liu, S.: Syntheses and Micellar Properties of Well-Defined Amphiphilic AB_2 and A_2B Y-Shaped Miktoarm Star Copolymers of ε-Caprolactone and 2-(Dimethylamino)ethyl Methacrylate, 1446C
Liu, J. See Boo, W. J., 1459P; Chen, G., 654P; Häußler, M., 4249C; Sun, N., 1410P
—; Jungnickel, B.-J.: Crystallization Kinetical and Morphological Peculiarities in Binary Crystalline/Crystalline Polymer Blends, 1917P

—; Ren, C.; Yang, Z.; Shi, W.: Novel Route for Synthesizing Hyperbranched Polyamine, 699C
Liu, J.-G.
—; Nakamura, Y.; Shibasaki, Y.; Ando, S.; Ueda, M.: Synthesis and Characterization of Highly Refractive Polyimides from 4,4′-Thiobis[(*p*-phenylenesulfanyl)aniline] and Various Aromatic Tetracarboxylic Dianhydrides, 5606C
Liu, J.-H.
—; Yang, P.-C.; Chiu, Y.-H.; Suda, Y.: Synthesis and Characterization of Novel Liquid-Crystalline Copolymers Containing Thermally Stable Photochromic Groups, 2026C
Liu, L. See Yang, Y., 5759C; Zhang, Y., 605C
Liu, P. See Jiang, P., 2947C; Yin, H., 5091C
Liu, Q. See Boo, W. J., 1459P; Chen, G., 654P; Häußler, M., 4249C; Sun, N., 1410P
—; Zhao, P.; Chen, Y.: Divergent Synthesis of Dendrimer-Like Macromolecules Through a Combination of Atom Transfer Radical Polymerization and Click Reaction, 3330C
Liu, R.
—; Maeda, T.; Kihara, N.; Harada, A.; Takata, T.: Solvent-Free Synthesis of Pseudopolyrotaxane and Polyrotaxane: Efficient Threading Complexation of a Cyclodextrin Wheel and a Linear Polymer Axle To Yield Pseudopolyrotaxane and Its Fixation to Polyrotaxane by the Direct Grinding of a Solid Mixture, 1571C
Liu, S. See Ge, Z., 1432C; Hu, X., 5518C; Liu, H., 1446C; Liu, Y., 2152C; Ghosh, A., 1077P
Liu, S.-J. See Pu, K.-Y., 3776C
Liu, T. See Yang, G.-Z., 976P
Liu, W. See Yang, P., 745C
Liu, X. See Jiu, T., 911C; Lin, Y., 26C; Peng, Z., 3698C; Sha, K., 5037C; Shang, X., 5662C; Lee, J. K., 1771P
Liu, X.-F. See Sun, L.-M., 2543C
Liu, X.-H. See Lin, Y., 4309C
—; Li, Y.-G.; Lin, Y.; Li, Y.-S.: 2-Cyanoprop-2-yl Dithiobenzoate Mediated Reversible Addition–Fragmentation Chain Transfer Polymerization of Acrylonitrile Targeting a Polymer with a Higher Molecular Weight, 1272C
Liu, Y. See Ao, Y., 374C; Cheng, Y., 650C; He, X., 4733C; Chen, S., 444P
—; Cao, H.; Li, J.; Chen, Z.; Cao, S.; Xiao, L.; Xu, S.; Gong, Q.: Synthesis and Electroluminescent Properties of a Phenothiazine-Based Polymer for Nondoped Polymer Light-Emitting Diodes with a Stable Orange-Red Emission, 4867C
—; Díaz, D. D.; Accurso, A. A.; Sharpless, K. B.; Fokin, V. V.; Finn, M. G.: Click Chemistry in Materials Synthesis. III. Metal-Adhesive Polymers from Cu(I)-Catalyzed Azide–Alkyne Cycloaddition, 5182C
—; Huang, K.; Peng, D.; Liu, S.; Wu, H.: Preparation of Poly(butylene-*co*-ε-caprolactone carbonate) and Their Use as Drug Carriers for a Controlled Delivery System, 2152C
—; Qiang, J.; Jing, X.: Synthesis and Properties of a Novel Hyperbranched Borate, 3473C
Liu, Y.-L.
—; Chen, S.-C.; Liu, C.-S.: Surface Grafting of Polyimide onto Silicon Surface: Preparation and Characterization, 4161C
—; Hsu, C.-W.; Chou, C.-I.: Silicon-Containing Benzoxazines and Their Polymers: Copolymerization and Copolymer Properties, 1007C
—; Lin, G.-C.; Wu, C.-S.: Facile Approach to Functionalizing Polymers with Specific Chemical Groups by an Ozone Treatment: Preparation of Crosslinkable Poly(vinylidene fluoride) Possessing Benzoxazine Pendent Groups, 949C
Liu, Z.
—; Wang, L.; Chen, J.; Wang, F.; Ouyang, X.; Cao, Y.: Synthesis and Optoelectronic Properties of Silole-Containing Polyfluorenes With Binary Structures, 756C
Lligadas, G. See Andreu, R., 4965C
—; Percec, V.: Synthesis of Perfectly Bifunctional Polyacrylates by Single-Electron-Transfer Living Radical Polymerization, 4684C
Lo, C.-L. See Hsiue, G.-H., 688C
Lo, C.-M. See Shyr, T.-W., 405P
Lohse, B.
—; Vestberg, R.; Ivanov, M. T.; Hvilsted, S.; Berg, R. H.; Ramanujam, P. S.; Hawker, C. J.: UV-Photodimerization in Uracil-Substituted Dendrimers for High Density Data Storage, 4401C
Lohse, D. J. See Nikopoulou, A., 3513C
Long, T. E. See Williams, S. R., 4118C
Lonsdale, D. E.
—; Johnston-Hall, G.; Fawcett, A.; Bell, C. A.; Urbani, C. N.; Whittaker, M. R.; Monteiro, M. J.: Degradative Chain Transfer in Vinyl Acetate Polymerizations Using Toluene as Solvent, 3620C
Loo, Y.-L. (Lynn)
—; Genzer, J.: Introduction, 3221P, 3221C
Loos, J. See Forcén, P., 1899C
Lopez, R. G.
—; Boisson, C.; D'Agosto, F.; Spitz, R.; Boisson, F.; Gigmes, D.; Bertin, D.: Catalyzed Chain Growth of Polyethylene on Magnesium for the Synthesis of Macroalkoxyamines: Application to the Production of Block Copolymers Using Controlled Radical Polymerization, 2705C
López-González, M. See Costamagna, V., 2421P
López-González, M. M. See Compañ, V., 1798P
López-Martínez, E. I.
—; Márquez-Lucero, A.; Hernández-Escobar, C. A.; Flores-Gallardo, S. G.; Ibarra-Gómez, R.; Yacamán, M. J.; Zaragoza-Contreras, E. A.: Incorporation of Silver/Carbon Nanoparticles into Poly(methyl methacrylate) via *In Situ* Miniemulsion Polymerization and Its Influence on the Glass-Transition Temperature, 511P
López, R. G. See Ledezma, R., 1463C

Lorenzetti, C. See Celli, A., 1053P
Lorenzo, A. T.
—; Müller, A. J.; Priftis, D.; Pitsikalis, M.; Hadjichristidis, N.: Synthesis and Morphological Characterization of Miktoarm Star Copolymers $(PCL)_2(PS)_2$ of Poly(ε-caprolactone) and Polystyrene, 5387C
Lorenzo, M. L. D.
—; Righetti, M. C.: Self-Decelerated Crystallization in Poly(butylene terephthalate)/poly(ε-caprolactone) Blends, 3148P
Lotti, N. See Soccio, M., 310P, 1694P
Lou, Z. D. See Shen, L., 3078P
Lowe, A. B. See Jiménez, Z., 3009C; Rankin, D. A., 2113C; Wang, R., 2468C
—; Torres, M.; Wang, R.: A Doubly Responsive AB Diblock Copolymer: RAFT Synthesis and Aqueous Solution Properties of Poly (*N*-isopropylacrylamide-*block*-4-vinylbenzoic acid), 5864C
Lozano, A. E. See Ferreiro, J. J., 4671C; Vicente, M. S., 2007P
Lu, C. See Xie, Z., 1737C; Zhang, Y., 605C
—; Chen, T.; Zhao, X.; Ren, X.; Cai, X.: Chemical Modification of Polyamide-6 by Chain Extension with 2,2′-Bis(2-oxazoline), 1976P
—; Shi, Q.; Chen, X.; Lu, T.; Xie, Z.; Hu, X.; Ma, J.; Jing, X.: Sugars-Grafted Aliphatic Biodegradable Poly(L-lactide-*co*-carbonate)s by Click Reaction and their Specific Interaction with Lectin Molecules, 3204C
Lu, T. See Peng, C., 3218C; Lu, C., 3204C
Lu, G. See Peng, D., 3687C; Zhang, X., 5509C
Lu, J. See Yu, P., 3739C
—; Huang, R.; Oh, I.-K.: Morphology Investigation on High-Pressure Crystallized Bisphenol-A Polycarbonate/Dioctyl Phthalate Blends, 2715P
Lu, J.-M.
—; Xu, Q.-F.; Yuan, X.; Xia, X.-W.; Wang, L.-H.: Synthesis of AB-Type Block Copolymers Containing Benzoxazole and Anthracene Groups by ATRP and Fluorescent Property, 3894C
Lu, L. See Yin, H., 5091C; Zhou, Z., 1616P
Lu, M. See Zheng, Y., 2835P
Lu, R. See Jin, M., 3460C
Lu, S. See Peng, Q., 1632C
Lu, T. See Deng, C., 3218C; Lu, C., 3204C
Lu, W.
—; Lin, H.; Chen, G.: Voltage-Induced Resistivity Relaxation in a High-Density Polyethylene/Graphite Nanosheet Composite, 860P
Lu, X. See Jiang, J., 3956C
Lu, Y. See Jiang, J., 3956C; Xu, Z., 942C; Yan, C.-L., 1911C; Zhang, X., 59C'
Lucchesi, C.
—; Pascual, S.; Jouanneaux, A.; Dujardin, G.; Fontaine, L.: Tuning the Parameters of the Suspension Polymerization of Styrene, Divinylbenzene, and *N*-(*p*-vinylbenzyl)- 4,4-dimethylazlactone, 3677C
Lukey, C. A.
—; Tymichova, M.; Brown, H. R.: Novel Route to Styrene/*p*-Aminostyrene Copolymers , 1282C
Luo, J.
—; Wang, Q.; Wang, X.; Li, J.; Zhao, X.; Wang, F.: Water-Resistant Conducting Hybrids from Electrostatic Interactions, 1424C
Luo, P. See Zhong, C., 826P
Luo, Y. See Gao, J., 3098C
—; Liu, B.; Wang, Z.; Gao, J.; Li, B.: Butyl Acrylate RAFT Polymerization in Miniemulsion, 2304C
Luqman, M. See Song, J.-M., 1045P
Luruli, N.
—; Pijpers, T.; Brüll, R.; Grumel, V.; Pasch, H.; Mathot, V.: Fractionation of Ethylene/1-Pentene Copolymers Using a Combination of SEC-FTIR and SEC-HPer DSC, 2956P
Lutsen, L. See Chambon, S., 317C
Lutz, T. R. See Zhang, L., 2252P
Lv, J. See Li, C., 1403C
Lynd, N. A.
—; Hamilton, B. D.; Hillmyer, M. A.: The Role of Polydispersity in the Lamellar Mesophase of Model Diblock Copolymers, 3386P
Lyoo, W. S. See Kim, H. J., 1546CMcFaddin, D. See Bafna, A., 1834P
Ma, C.-C. M. See Yuen, S.-M., 3349C
Ma, J. See Lu, C., 3204C>
Ma, W. See Liao, X., 1625P
Ma, W.-M.
—; Yu, J.; He, J.-S.: Competitive Influence of Atactic Polystyrene and Supercritical Carbon Dioxide on the Conformation of Syndiotactic Polystyrene, 1755PMa, Y. See Chen, G., 654P
Ma, Z. See Han, H., 3986C
Machado, J. C.
—; Silva, G. G.; de Oliveira, F. C.; Lavall, R. L.; Rieumont, J.; Licinio, P.; Windmöller, D.: Free-Volume and Crystallinity in Low Molecular Weight Poly(ethylene oxide), 2400P
Machida, S.
—; Nakata, H.; Yamada, K.; Itaya, A.: Morphological Change of a Diblock Copolymer Film Induced by Selective Doping of a Photoactive Chromophore, 368P
Mackley, M. R. See Embery, J., 377P
Macková, H.
—; Králová, D.; Horák, D.: Magnetic Poly(*N*-isopropylacrylamide) Microspheres by Dispersion and Inverse Emulsion Polymerization, 5884C
Maeda, T. See Liu, R., 1571C
Maekawa, Y. See Asano, M., 2624C
Magonov, S. See Reemers, S., 614C
Mai, K. See Guan, X., 2556C
Mai, Y.-W. See Xie, X.-L., 1448P
Makihara, M. See Takano, A., 2277P
Makino, S. See Kudo, H., 680C
Malinconico, M. See Cerruti, P., 840P
Malkoch, M. See Vestberg, R., 2835C
Mallapragada, S. K. See Wong, S.-S., 930P
Mandal, A. B. See James, J., 2410P
Manisankar, P.
—; Vedhi, C.; Selvanathan, G.: Synthesis of a Nanosize Copolymer of 3,4-Ethylenedioxythiophene with Diclofenac and Characterization, 2787C
Manners, I. See Lastella, S., 758P

Mano, J. F. See Viciosa, M. T., 2802P
Mantecón, A. See Arasa, M., 2129C; Canadell, J., 1920C, 1980C, 4211C; Fernández-Francos, X., 16C, 5446C; González, S., 1968C
Marand, H. See Li, B., 3300P
Marchese, P. See Celli, A., 1053P
Marco, C. See Naffakh, M., 2309P
Marcos-Fernández, A. See Valentín, J. L., 544P
Margel, S. See Omer-Mizrahi, M., 4612C
Mariani, A.
—; Alzari, V.; Monticelli, O.; Pojman, J. A.; Caria, G.: Polymeric Nanocomposites Containing Polyhedral Oligomeric Silsesquioxanes Prepared via Frontal Polymerization, 4514C
—; Bidali, S.; Caria, G.; Monticelli, O.; Russo, S.; Kenny, J. M.: Synthesis and Characterization of Epoxy Resin-Montmorillonite Nanocomposites Obtained by Frontal Polymerization, 2204C
Marianucci, E. See Celli, A., 1053P
Marín, R. See de Paz, Ma Violante, 4109C; Regaño, C., 116P
Mariott, W. R.
—; Escudé, N. C.; Chen, E. Y.-X.: Stereoregular P(MMA)-Clay Nanocomposites by Metallocene Catalysts: *In Situ* Synthesis and Stereocomplex Formation, 2581C
Marques, M. M. See Viciosa, M. T., 2802P
Márquez-Lucero, A. See López-Martínez, E. I., 511P
Marrucho, I. M. See Oliveira, N. S., 616P
Marsano, E. See Corsini, P., 2568P
Marshman, D. J. See Sarzotti, D. M., 1677C
Martín, Z. See Naffakh, M., 2309P
Martín-Martínez, J. M. See Daniel-da-Silva, A. L., 3034P
Martínez, G.
—; Gómez, M. A.; Gómez, R.; Segura, J. L.: Synthesis of a [60]Fullerene-Functionalized Poly(vinyl chloride) Derivative by Stereospecific Chemical Modification of PVC, 5408C
—; Gómez, M. A.; Villar-Rodil, S.; Garrido, L.; Tonelli, A. E.; Balik, C. M.: Formation of Crystalline Inclusion Compounds of Poly (vinyl chloride) of Different Stereoregularity with γ-Cyclodextrin, 2503C
Martínez, V. S.
—; Álvarez, L. P.; Hernáez, E.; Herrero, T.; Katime, I.: Synthesis, Characterization, and Influence of Synthesis Parameters on Particle Sizes of a New Microgel Family, 3833C
Martínez-Palau, M.
—; Franco, L.; Puiggalí, J.; Ungar, G.: Isothermal Crystallization Kinetics and Spherulitic Morphology of Poly(4-hydroxybutyric acid-*alt*-glycolic acid), 2640P
Martinelli, M. See Galletti, A. M. R., 1134C
Martini, R. E.
—; Brignole, E. A.; Barbosa, S. E.: Mechanical Degradation of Polypropylene Solutions Under Large Pressure Drops, 455P
Maruyama, T. See Ochiai, B., 5781C
Marzocca, A. J. See Salgueiro, W., 2966P
Masaki, S. See Sato, N., 2855C
Maschke, D. See Jhaveri, S. B., 1575C
Maschke, U. See Slimane, S. K., 18P
Masenelli-Varlot, K.
—; Vigier, G.; Vermogen, A.; Gauthier, C.; Cavaillé, J. Y.: Quantitative Structural Characterization of Polymer–Clay Nanocomposites and Discussion of an "Ideal" Microstructure, Leading to the Highest Mechanical Reinforcement, 1243P
Masuda, T. See Hu, Y., 4487C; Qu, J., 5431C; Sanda, F., 4450C; Yue, D., 1515C; Zhao, H., 253C, 1691C
—: Substituted Polyacetylenes, 165C
Mather, B. D. See Williams, S. R., 4118C
Mathers, R. T.
—; Damodaran, K.: Renewable Chain Transfer Agents for Metallocene Polymerizations: The Effects of Chiral Monoterpenes on the Polyolefin Molecular Weight and Isotacticity, 3150C
Mathew, J. See Al-Mulla, A., 1344P
Mathiowitz, E. See Qian, H., 5899C
Mathisen, T. See Redin, T., 5552C
Mathot, V. See Luruli, N., 2956P
Matos, I. See Viciosa, M. T., 2802P
Matsko, M. A. See Mikenas, T. B., 5057C
Matsuda, S. See Kishi, H., 1425P
Matsumoto, K.
—; Kage, S.; Matsuoka, H.: Synthesis of Water-Dispersible, Fluorinated Particles with Grafting Sulfonate Chains by the Core Crosslinking of Block Copolymer Micelles, 1316C
Matsuo, G. See Chen, X., 4891C
Matsuo, M. See Zhu, D., 1037P
Matsuoka, H. See Matsumoto, K., 1316C
Matsuoka, Y. See Sato, M., 2998C
Matsushita, Y. See Takano, A., 2277P
Matsuyama, T. See Sekine, R., 5916C
Matyjaszewski, K. See Gallyamov, M. O., 2368P; Kaneyoshi, H., 447C; Min, K., 1413C; Oh, J. K., 4764C
Mays, J. W. See Ji, H., 3949C
Mazumder, M. A. J. See Burke, N. A. D., 4129C
McAuley, K. B. See Puskas, J. E., 1778C
McCluskey, C. See D'Angelo, J. G., 2328C
McDaniel, M. P. See DesLauriers, P. J., 3135C
McFaddin, D. See Bafna, A., 1834P
McGee, D. J. See Campbell, V. E., 3166C
McGrath, J. E. See Lee, H.-S., 4879C; Wang, H., 284C
McHale, R.
—; Aldabbagh, F.; Carroll, W. M.; Yamada, B.: Polymerization of *N*-Isopropylacrylamide in the Presence of Poly(acrylic acid) and Poly(methacrylic acid) Containing ω-Unsaturated End-Groups, 4394C
—; Aldabbagh, F.; Zetterlund, P. B.: The Role of Excess Nitroxide in the SG1 (*N*-*tert*-Butyl-*N*-[1-diethylphosphono-

(2,2-dimethylpropyl)] Nitroxide)-Mediated Polymerization of Methyl Methacrylate, 2194C
McKenna, G. B. See Qin, Q., 3277P
McLeary, J. B. See Bowes, A., 588C
McLeish, T. C. B. See Embery, J., 377P
Mei, C.
—; Ding, J.; Yao, B.; Cheng, Y.; Xie, Z.; Geng, Y.; Wang, L.: Synthesis and Characterization of White-Light-Emitting Polyfluorenes Containing Orange Phosphorescent Moieties in the Side Chain, 1746C
Meijer, E. W. See Veld, M. A. J., 5968C
Meille, S. V. See Ricci, G., 5339C
Mela, P. See Gallyamov, M. O., 2368P; Reemers, S., 614C
Melinte, V. See Buruiana, E. C., 1956C
Men, Y. See Zhao, G., 2344P
Mendes, E. See Sisbandini, C., 666P
Mendizábal, E. See Ledezma, R., 1463C
Meneghetti, P. See Nazarenko, S., 1733P
Meng, Y.
—; Simon, S. L.: Pressure Relaxation of Polystyrene and Its Comparison to the Shear Response, 3375P
Meng, Y. Z. See Xu, J., 262C
Mensitieri, G. See Lavorgna, M., 395P
Menzel, M. See Schütz, C., 3032C
Mercore, V. M. See Cianga, I., 848C
Merino, J. C. See Cárdenas, M. A., 2432P
Merrick-Mack, J. See Bafna, A., 1834P
Metrangolo, P.
—; Resnati, G.; Pilati, T.; Liantonio, R.; Meyer, F.: Engineering Functional Materials by Halogen Bonding, 1C
Metselaar, G. A.
—; Wezenberg, S. J.; Cornelissen, J. J. L. M.; Nolte, R. J. M.; Rowan, A. E.: Lyotropic Liquid-Crystalline Behavior of Polyisocyanodipeptides, 981C
Meyer, F. See Metrangolo, P., 1C
Meyer, H. See Zhang, D., 2161P
Meylheuc, T. See Bech, L., 2172C
Michálek, J. See Janata, M., 4074C
Michel, A. See Badel, T., 5215C
Michielsen, S. See Lee, H. J., 253P
Mikawa, M.
—; Seki, N.; Nagaoka, S.; Kawakami, H.: Structure and Gas Permeability of Asymmetric Polyimide Membranes Made by Dry–Wet Phase Inversion: Influence of Alcohol as Casting Solution, 2739P
Mikenas, T. B.
—; Zakharov, V. A.; Echevskaya, L. G.; Matsko, M. A.: Kinetic Features of Ethylene Polymerization Over Supported Catalysts [2,6-Bis(imino)pyridyl Iron Dichloride/Magnesium Dichloride] with AlR_3 as an Activator, 5057C
Mikroyannidis, J. A.
—; Barberis, V. P.; Výprachtický, D.; Cimrová, V.: Simple Synthesis, Photophysics, and Electroluminescent Properties of Poly[2,7-bis(4-*tert*-butylstyryl)fluorene-9, 9-diyl-*alt*-alkane-a,v-diyl], 809C
—; Barberis, V. P.: New Highly Luminescent Cationic Polyelectrolytes Based on Poly(phenylenevinylene-*alt*-fluorenevinylene) or Poly(fluorenevinylene) Derivatives and Their Neutral Precursors, 1481C
—; Barberis, V. P.; Cimrová, V.: Novel Electroluminescent Cationic Polyelectrolyte Based On Poly[(fluorene-2,7-diylvinylene)-*alt*-(1,4-phenylenevinylene)] and its Precursor, 1016C
—; Fenenko, L.; Yahiro, M.; Adachi, C.: Alternating Copolyfluorenevinyles with Polynuclear Aromatic Moieties: Synthesis, Photophysics, and Electroluminescence, 4661C
Millaruelo, M.
—; Chinellato, Jr., L. S.; Serrano, J. L.; Oriol, L.; Piñol, M.: Fluorene-Based Liquid Crystalline Networks with Linearly Polarized Blue Emission, 4804C
Miller, K. M. See Williams, S. R., 4118C
Milner, S. T. See Vega, D. A., 3117P
Miltner, H. E.
—; Peeterbroeck, S.; Viville, P.; Dubois, P.; Van Mele, B.: Interfacial Interaction in EVA-Carbon Nanotube and EVA-Clay Nanocomposites, 1291P
Min, B. R. See Kim, Y. W., 1283P; Lee, D. K., 661P, 1018P
Min, K.
—; Oh, J. K.; Matyjaszewski, K.: Preparation of Gradient Copolymers via ATRP in Miniemulsion. II. Forced Gradient, 1413C
Minko, S. See Brittain, W. J., 3505C
Mirabella, F. M. See Bafna, A., 1834P
Mishra, A. K. See Kumari, S., 2673C
Misra, M. See Miyagawa, H., 698P
Misra, R. See Alidedeoglu, A. H., 3191C
—; Fu, B. X.; Morgan, S. E.: Surface Energetics, Dispersion, and Nanotribomechanical Behavior of POSS/PP Hybrid Nanocomposites, 2441P
Mitsuo, K. See Obata, M., 2876C
Miura, Y.
—; Dairoku, M.: Synthesis and Characterization of 6- and 12-Arm Star Polymers by Nitroxide-Mediated Radical Polymerization of St and MA from Dendritic TIPNO-Based Hexafunctional and Dodecafunctional Macroinitiators, 4364C
—; Dote, H.; Kubonishi, H.; Fukuda, K.; Saka, T.: Syntheses and Characterization of 16-Arm Star and Star Diblock Copolymer and AB_8 9-Miktoarm Star Copolymer via NMRP and ROP from Dendritic Multifunctional Macroinitiators, 1159C
—; Synthesis and Biological Application of Glycopolymers, 5031C
Miyagawa, H.
—; Mohanty, A. K.; Burgueño, R.; Drzal, L. T.; Misra, M.: Novel Biobased Resins from Blends of Functionalized Soybean Oil and Unsaturated Polyester Resin, 698P

Miyatake, K.
—; Yasuda, T.; Hirai, M.; Nanasawa, M.; Watanabe, M.: Synthesis and Properties of a Polyimide Containing Pendant Sulfophenoxypropoxy Groups, 157C
Miyoshi, E. See Nakahashi, A., 3580C
Mizuno, M. See Shimada, S., 162P
Moewes, A. See Shimada, S., 162P
Moghbelli, E. See Boo, W. J., 1459P
Mognonov, D. M. See Burdukovskiy, V. F., 4656C
Mohan, D. J.
—; Reddy, A. V. R.: Synthesis, Characterization, and Investigation of Structure-Thermal Cycloimidization Relationship of Novel Poly(amide amic acid)s to Poly(amide imide)s by Thermogravimetric Analysis, 2937P
Mohanty, A. K. See Miyagawa, H., 698P
Mohanty, B.
—; Gupta, A.; Bohidar, H. B.; Bandyopadhyay, S.: Effect of Gelatin Molecular Charge Heterogeneity on Formation of Intermolecular Complexes and Coacervation Transition, 1511P
Mokkapati, V. K. See Kim, H., 1038C
Moldovan, M. See Buruiana, E. C., 1956C
Moliton, J. P. See Pialat, E., 2993P
Möller, M. See Gallyamov, M. O., 2368P; Reemers, S., 614C
Mondragon, I. See Garcia, I., 925C, 4744C
Montanari, G. C. See Motori, A., 705P
Monteil, V. See Ribour, D., 3941C
Monteiro, M. J. See Gemici, H., 2334C; Goh, Y.-K., 4150C; Lonsdale, D. E., 3620C
—; Guliashvili, T.; Percec, V.: Kinetic Simulation of Single Electron Transfer–Living Radical Polymerization of Methyl Acrylate at 25 °C, 1835C
Montemartini, P. E. See Penoff, M. E., 2781P
Monticelli, O. See Mariani, A., 2204C, 4514C
Moore, R. B. See Page, K. A., 2177P
Moraes, Á. G. O. See Carone, C. L. P., 5199C
Morancho, J. M. See Fernández-Francos, X., 16C, 5446C
Morgan, S. E. See Alidedeoglu, A. H., 3191C; Misra, R., 2441P
Mori, H. See Morinaga, H., 736C; Nomura, Y., 2689C
Morikawa, H. See Uenishi, K., 1170C
—; Morishima, Y.; Motokucho, S.; Morinaga, H.; Nishida, H.; Endo, T.: Synthesis and Association Behavior of Cationic Amphiphilic Copolymers Consisting of Quaternary Ammonium and Nonionic Surfactant Moieties, 5022C
Morinaga, H. See Morikawa, H., 5022C
—; Ochiai, B.; Mori, H.; Endo, T.: Ring-Opening Grafting Polymerization of Cyclic Monomers onto Human Hair, 736C
Morisaki, Y. See Na, H.-S., 2867C
—; Ouchi, Y.; Tsurui, K.; Chujo, Y.: Synthesis of Optically Active Polymers Containing Chiral Phosphorus Atoms in the Main Chain, 866C
Morishima, Y. See Morikawa, H., 5022C
Morita, M. See Obata, M., 2876C
Mortreux, A. See Terrier, M., 2400C
Motlagh, G. H.
—; Hrymak, A. N.; Thompson, M. R.: Properties of a Carbon Filled Cyclic Olefin Copolymer, 1808P
Motokucho, S. See Morikawa, H., 5022C
—; Sudo, A.; Endo, T.: Living Cationic Ring-Opening Polymerization of Five-Membered Cyclic Dithiocarbonate Controlled by Neighboring Group Participation of Carbamate Group, 4459C
Motong, N.
—; Clarke, N.; Thompson, R. L.; Collins, S. A.; Thongyai, S.: Rheology and Interdiffusion in Miscible Blends of a Low Molar Mass Liquid Crystal and Bisphenol A–Polycarbonate, 2187P
Motori, A.
—; Montanari, G. C.; Saccani, A.; Patuelli, F.: Electrical Conductivity and Polarization Processes in Nanocomposites Based on Isotactic Polypropylene and Modified Synthetic Clay, 705P
Motta, T. See Ricci, G., 4635C, 5339C
Mountrichas, G.
—; Pispas, S.: Novel Double Hydrophilic Block Copolymers Based on Poly(*p*-Hydroxystyrene) Derivatives and Poly(Ethylene Oxide), 5790C
Mourey, T. H. See Kim, Y. H., 4623C
Mourmouris, S. See Kostakis, K., 3524C
Mourran, A. See Reemers, S., 614C
Mourtas, S. See Papadimitriou, S., 5076C
Mu, S. See Zhang, J., 5573C
Müllen, K. See Müller, K., 1101C
Müller, A. J. See Lorenzo, A. T., 5387C
Müller, K.
—; Klapper, M.; Müllen, K.: Polyester Nanoparticles by Non-Aqueous Emulsion Polycondensation, 1101C
Munari, A. See Soccio, M., 310P, 1694P
Muñoz-Guerra, S. See de Paz, Ma Violante, 4109C; Regaño, C., 116P
Muraji, Y. See Kishi, H., 1425P
Murakami, A. See Kishi, H., 1425P
Murali, M.
—; Rao, V. S.; Samui, A. B.: Liquid Crystalline Photoactive Hyperbranched and Linear Benzylidene Polyester with Terminal Epoxy and Pendant Hydroxyl Groups, 3116C
Murariu, M. See Pluta, M., 2770P
Murray, D. J. See Hermel-Davidock, T. J., 3338P
Mustata, F. See Bicu, I., 5979C
Mykietyn, J. D. See Campbell, V. E., 3166C

Na, H. See Zhong, S., 2871P
Na, H.-S.
—; Morisaki, Y.; Aiki, Y.; Chujo, Y.: Synthesis and Characterization of Novel π-Conjugated Polymers with

Phosphole Ring Derivatives, 2867C
Naffakh, M.
—; Martín, Z.; Fanegas, N.; Marco, C.; Gómez, M. A.; Jiménez, I.: Influence of Inorganic Fullerene-Like WS_2 Nanoparticles on the Thermal Behavior of Isotactic Polypropylene, 2309P
Nagai, D. See Ochiai, B., 2820C
Nagai, T. See Ono, Y., 2978C
Nagaoka, S. See Mikawa, M., 2739P; Okazaki, Y., 1325P; Sannomiya, A., 262P
Nagasawa, T. See Ochiai, B., 2820C
—; Ochiai, B.; Endo, T.: Infrared Thermographic Analysis on Copolymerization of Spiroorthoester with Oxetane, 1388C
Naguib, H. E. See Jo, C., 436P
Nagy, M.
—; Szőllősi, L.; Kéki, S.; Herczegh, P.; Batta, G.; Jicsinszky, L.; Zsuga, M.: Synthesis and Self-Assembly Behavior Study of α,ω-Dicarboxyl-Poly(ethylene glycol)–Permethyl-6-Amino-6-Deoxy-β-Cyclodextrin-Monoamide: A New β-Cyclodextrin Conjugate, 5149C
Naidu, B. V. K. See Shin, W. S., 1394C
Naitou, T. See Kishi, H., 1425P
Naka, K. See Inagi, S., 3770C; Nakahashi, A., 3580C; Nemoto, T., 543C
Nakagawa, Y. See Kishi, H., 1425P
Nakahama, S. See Ishizone, T., 1260C
Nakahashi, A.
—; Fujita, M.; Miyoshi, E.; Umeyama, T.; Naka, K.; Chujo, Y.: Synthesis of Sulfur-Containing Hyperbranched Polymers by the Bisthiolation Polymerization of Diethynyl Disulfide Derivatives, 3580C
Nakajima, K. See Kudo, H., 4421C
Nakamura, Y. See Liu, J.-G., 5606C
Nakane, T. See Harashina, H., 2184C
Nakanishi, E. See Inomata, K., 129P
Nakanishi, K. See Yoshikawa, C., 4795C
Nakase, K. See Obata, M., 2876C
Nakata, H. See Machida, S., 368P
Namiki, S. See Kanazawa, A., 3851C
Namikoshi, T.
—; Hashimoto, T.; Urushisaki, M.: Living Cationic Polymerization of Vinyl Ether with a Cyclic Acetal Group, 4855C
—; Hashimoto, T.; Urushisaki, M.: Synthesis of Poly(vinyl ether) Plastics for Optical Use by Cationic Copolymerization of Tricyclodecyl Vinyl Ether with *n*-Butyl Vinyl Ether, 4389C
Nanasawa, M. See Miyatake, K., 157C
Nandi, P.
—; Bhattarai, A.; Das, B.: Intrinsic Viscosities of Sodium Carboxymethylcellose in Acetonitrile–Water Mixed Solvent Media Using Isoionic Dilution Method, 1765P
Narain, R. See Liu, H., 1446C
Narita, T.
—; Hamana, H.; Sekiya, F.; Nojima, Y.: Polymerization of Vinyl Compounds in the Presence of Perfluoroisopropenyl Ester, 908C
Nasar, A. S. See Sankar, G., 1557C; Vanjinathan, M., 3877C; Vanjinathan, M., 2959C
Naudy, S.
—; Fulchiron, R.: Static and Shear Induced Crystallization of Glass Fiber Reinforced Poly(*m*-xylylene adipamide) with Nucleating Additives, 2982P
Nayak, R. R. See Shanmugharaj, A. M., 460C
Nazarenko, S.
—; Meneghetti, P.; Julmon, P.; Olson, B. G.; Qutubuddin, S.: Gas Barrier of Polystyrene Montmorillonite Clay Nanocomposites: Effect of Mineral Layer Aggregation, 1733P
Neher, D. See Tsami, A., 4773C
Nemoto, T.
—; Ando, D.; Naka, K.; Chujo, Y.: Polycondensation of Activated L-Valine and L-Leucine Esters with Various Lewis Acids, 543C
Neway, B. See Ritums, J. E., 723P
Ngai, K. L. See Schroeder, M. J., 342P
Nguyen, A. V. See Hurduc, N., 4240C
Nguyen, L. H. See Egbe, D. A. M., 1619C
Nguyen, S. T. See Ramanathan, T., 2097P
Nguyen, T. L. U.
—; Farrugia, B.; Davis, T. P.; Barner-Kowollik, C.; Stenzel, M. H.: Core-Shell Microspheres with Surface Grafted Poly(vinyl alcohol) as Drug Carriers for the Treatment of Hepatocellular Carcinoma, 3256C
Nguyen, T. Q. See Scholl, M., 5494C
Nguyen, V. See Lewis, G. T., 5748C
Ni, P. See Zhou, X., 471C
Ni, Y.
—; Zheng, S.: Melting and Crystallization Behavior of Polyhedral Oligomeric Silsesquioxane-Capped Poly(ε-caprolactone), 2201P
—; Zheng, S.: Supramolecular Inclusion Complexation of Polyhedral Oligomeric Silsesquioxane Capped Poly(ε-caprolactone) with α-Cyclodextrin, 1247C
Nicolas, M.
—; Guittard, F.; Géribaldi, S.: Synthesis and Properties of New Fluorinated Ester, Thioester, and Amide Substituted Polythiophenes. Towards Superhydrophobic Surfaces, 4707C
Nie, G.
—; Han, X.; Zhang, S.; Wei, Q.: Electrosyntheses of High-Quality Polyphenanthrene in the Electrolyte of Boron Trifluoride Diethyl Etherate Containing Trifluoroacetic Acid, 3929C
Nikopoulou, A.
—; Iatrou, H.; Lohse, D. J.; Hadjichristidis, N.: Anionic Homo- and Copolymerization of Styrenic Triple-Tailed Polybutadiene Macromonomers, 3513C
Nishi, T. See Ikehara, T., 1122P
Nishichi, A. See Sato, N., 2855C
Nishida, H. See Fujita, Y., 5365C; Morikawa, H., 5022C
Nishide, H. See Tanaka, M., 521C
Nishiguchi, D. See Yamasaki, S., 800P

Nishii, K. See Ban, H. T., 2765C
Nishijima, S. See Akiyama, Y., 2031P, 680C, 709C
Nishikubo, T. See Kudo, H., 4421C; Ono, Y., 2978C
Nishioka, H. See Ikehara, T., 1122P
Niu, Y.
—; Zhang, W.; Pang, X.; Chen, X.; Zhuang, X.; Jing, X.: Alternating Copolymerization of Carbon Dioxide and Propylene Oxide Catalyzed by (R, R)-SalenCo^{III}-(2,4-dinitrophenoxy) and Lewis-Basic Cocatalyst, 5050C
Nodono, M. See Ihara, E., 4597C
Nogales, A. See Linares, A., 1653P
Nojima, S. See Kaito, A., 1959P
Nojima, Y. See Narita, T., 908C
Nolte, R. J. M. See Metselaar, G. A., 981C
Nomaguchi, T. See Endo, K., 3872C
Nomura, R. See Agari, Y., 2972P
Nomura, Y.
—; Sato, A.; Sato, S.; Mori, H.; Endo, T.: Synthesis of Novel Moisture-Curable Polyurethanes End-Capped with Trialkoxysilane and Their Application to One-Component Adhesives, 2689C
Nose, T. See Lin, S., 1333P
Novakov, C. P. See Berlinova, I. V., 4720C
Nowak-Pyda, E. See Qiu, W., 475P
Numao, Y. See Tanaka, M., 521C
Nur Alam, Md.
—; Zetterlund, P. B.; Okubo, M.: Nitroxide-Mediated Radical Polymerization in Miniemulsion: Bimolecular Termination in Monomer-Free Model Systems, 4995C
Nuyken, O. See Radhakrishnan, N., 5636C

Obata, M.
—; Morita, M.; Nakase, K.; Mitsuo, K.; Asai, K.; Hirohara, S.; Yano, S.: Synthesis and Photophysical Properties of Rhodamine B Dye-Bearing Poly(isobutyl methacrylate-*co*-2,2, 2-trifluoroethyl methacrylate) as a Temperature-Sensing Polymer Film, 2876C
O'Brien, C. See Carioscia, J. A., 5686C
Ochiai, B. See Komatsu, H., 3370C; Morinaga, H., 736C; Nagasawa, T., 1388C
—; Endo, T.: Computational Evaluation of Radical Ring-Opening Polymerization, 2827C
—; Endo, T.: Polymer-Supported Pyridinium Catalysts for Synthesis of Cyclic Carbonate by Reaction of Carbon Dioxide and Oxirane, 5673C
—; Nagasawa, T.; Asano, Y.; Nagai, D.; Sudo, A.; Endo, T.: Novel Analytical Method for the Crosslinking Process: Infrared Thermographic Analysis of the Thermally Latent Cationic Polymerization of a Spiroorthoester and a Bifunctional Oxetane for the Construction of a Low-Shrinkage Curing System, 2820C
—; Ootani, Y.; Maruyama, T.; Endo, T.: Synthesis and Properties of Polymethacrylate Bearing Cyclic Carbonate Through Urethane Linkage, 5781C
—; Sato, S.-I.; Endo, T.: Crosslinkable Polyurethane Bearing a Methacrylate Structure in the Side Chain, 3400C
—; Sato, S.-I.; Endo, T.: Synthesis and Properties of Polyurethanes Bearing Urethane Moieties in the Side Chain, 3408C
Ochiai, M. See Kudo, H., 4421C
Oda, Y. See Hanaoka, H., 3668C
Ogawa, A. See Kihara, N., 963C; Sasabe, H., 4154C
Ogino, K. See Washizu, T., 3083C
Ogura, T.
—; Ueda, M.: Photosensitive Polybenzoxazole Based on a Poly(*o*-hydroxy amide), a Dissolution Inhibitor, and a Photoacid Generator, 661C
Oh, I.-K. See Lu, J., 2715P
Oh, J. K. See Min, K., 1413C
—; Dong, H.; Zhang, R.; Matyjaszewski, K.; Schlaad, H.: Preparation of Nanoparticles of Double-Hydrophilic PEO-PHEMA Block Copolymers by AGET ATRP in Inverse Miniemulsion, 4764C
Oh, T. H. See Shin, G. J., 776C
Ohdomari, I. See Tanaka, M., 521C
Ohshita, J.
—; Kimura, K.; Lee, K.-H.; Kunai, A.; Kwak, Y.-W.; Son, E.-C.; Kunugi, Y.: Synthesis of Silicon-Bridged Polythiophene Derivatives and Their Applications to EL Device Materials, 4588C
Ohtani, B. See Chen, X., 4891C
Oishi, T. See Gao, H., 3722C
Okamoto, K.-I. See Chen, S., 2797C
Okamoto, Y. See Azam, A. K. M. F., 1304C
Okazaki, Y.
—; Nagaoka, S.; Kawakami, H.: Proton-Conductive Membranes Based on Blends of Polyimides, 1325P
Okubo, M. See Nur Alam, Md., 4995C
Oliveira, N. S.
—; Dorgan, J.; Coutinho, J. A.; Ferreira, A.; Daridon, J. L.; Marrucho, I. M.: Gas Solubility of Carbon Dioxide in Poly(lactic acid) at High Pressures: Thermal Treatment Effect, 616P
Olson, B. G. See Nazarenko, S., 1733P
Omer-Mizrahi, M.
—; Margel, S.: Synthesis and Characterization of Spherical and Hemispherical Polyepoxide Micrometer-Sized Particles of Narrow Size Distribution by a Single-Step Swelling of Uniform Polystyrene Template Microspheres with Glycidyl Methacrylate, 4612C
Onimura, K. See Gao, H., 3722C
Ono, Y.
—; Kawashima, N.; Kudo, H.; Nishikubo, T.; Nagai, T.: Synthesis of Self-Photosensitizing Polyesters Containing Donor–Acceptor Norbornadiene Moieties and Benzophenone Groups and Their Photochemical Reactions, 2978C
Onorato, A. See D'Angelo, J. G., 2328C
Ootani, Y. See Ochiai, B., 5781C
Opsteen, J. A.
—; van Hest, J. C. M.: Modular Synthesis of ABC Type Block Copolymers by "Click" Chemistry, 2913C
Oriol, L. See Forcén, P., 1899C; Millaruelo, M., 4804C

Oromiehie, A. See Es-Haghi, S. S., 2860P
Ortiz, R. A.
—; Urbina, B. A. P.; Valdez, L. V. C.; Duarte, L. B.; Santos, R. G.; Valdez, A. E. G.; Soucek, M. D.: Effect of Introducing a Cationic System into a Thiol-Ene Photopolymerizable Formulation, 4829C
Osti, M.
—; Cunningham, M. F.; Whitney, R.; Keoshkerian, B.: Miniemulsion Polymerization Initiated by L-Ascorbic Acid and Sulfonate/Sulfate Surfactants, 69C
Ouchi, Y. See Morisaki, Y., 866C
Ouyang, X. See Liu, Z., 756C
Oyanguren, P. A. See Penoff, M. E., 2781P
Ozawa, M. See Ishizu, K., 1771C
Ozawa, Y. See Yamamoto, T., 548C
Ozisik, R. See Chen, X., 3349P

Pączkowski, J. See Kabatc, J., 3626C
Padias, A. B. See Hall, Jr., H. K., 4751C
Page, K. A.
—; Jarrett, W.; Moore, R. B.: Variable Temperature ^{19}F Solid-State NMR Study of the Effect of Electrostatic Interactions on Thermally-Stimulated Molecular Motions in Perfluorosulfonate Ionomers, 2177P
Pai, C.-L. See Wu, W.-C., 67P
Paik, Y.
—; Poliks, B.; Rusa, C. C.; Tonelli, A. E.; Schaefer, J.: Molecular Motion of Polycarbonate Included in γ-Cyclodextrin, 1271P
Pais, A. A. C. C. See Rubio, F., 1788C
Pakkanen, T. T. See Turunen, J. P. J., 4002C
Palmans, A. R. A. See Breteler, M. R. T., 429C; Veld, M. A. J., 5968C
Pamies, R.
—; Cifre, J. G. H.; de la Torre, J. G.: Brownian Dynamics Simulation of Polyelectrolyte Dilute Solutions: Relaxation Time and Elongational Flow, 714P
—; Cifre, J. G. H.; de la Torre, J. G.: Brownian Dynamics Simulation of Polyelectrolyte Dilute Solutions under Shear Flow, 1P
Pan, C. See Hua, D., 2847C; Zheng, H., 2609C
Pan, C.-Y. See Han, D.-H., 789C
Pan, E. H. See Joso, R., 3482C
Pan, Q.-W. See Gao, L.-C., 5949C
Pang, X. See Niu, Y., 5050C
—; Wang, G.; Jia, Z.; Liu, C.; Huang, J.: Preparation of the Amphiphilic Macro-Rings of Poly(ethylene oxide) with Multi-Polystyrene Lateral Chains and Their Extraction for Dyes, 5824C
Pang, Y. See Liao, L., 2048C
Pantani, R. See Sorrentino, A., 196P
Paoprasert, P. See Campbell, V. E., 3166C
Papadimitriou, S.
—; Bikiaris, D. N.; Chrissafis, K.; Paraskevopoulos, K. M.; Mourtas, S.: Synthesis, Characterization, and Thermal Degradation Mechanism of Fast Biodegradable PPSu/PCL Copolymers, 5076C
Papagni, G. See Penoff, M. E., 2781P
París, R.
—; de la Fuente, J. L.: Diblock Copolymers Based on Allyl Methacrylate: Synthesis, Characterization, and Chemical Modification, 3538C
—; de la Fuente, J. L.: Glass Transition Temperature of Allyl Methacrylate-*n*-Butyl Acrylate Gradient Copolymers in Dependence on Chemical Composition and Molecular Weight, 1845P
Paraskevopoulos, K. M. See Papadimitriou, S., 5076C
Park, C. B. See Li, G., 2497P
Park, C. E. See Dang, T. T., 5277C
Park, E. J. See Li, Y., 1313P
Park, J. See Kim, G., 2038P
Park, J.-H. See Lee, S. K., 3380C; Lee, J., 1236C
Park, J.-W. See Dang, T. T. M., 5277C; Gal, Y.-S., 5679C; Kim, Y.-H., 900C
Park, L.-S. See Karim, M. R., 5741C
Park, M.-J. See Lee, J., 1236C
Park, S.-J. See Dang, T. T. M., 5277C
Park, S. See Kim, G., 2038P
Parks, J. See Chen, J.-T., 2912P
Parry, A. L. See Biagini, S. C. G., 3178C
Pasch, H. See Luruli, N., 2956P
Pascual, S. See Lucchesi, C., 3677C
Pastor, J. M. See Cárdenas, M. A., 2432P
Patashinski, A. Z. See Ginzburg, V. V., 2123P
Patil, H. P.
—; Hedden, R. C.: Effects of Structural Imperfections on the Dynamic Mechanical Response of Main-Chain Smectic Elastomers, 3267P
Patrickios, C. S. See Themistou, E., 5811C
Pattanayek, S. K. See Pereira, G. G., 3327P
Patuelli, F. See Motori, A., 705P
Paul, D. R. See Huang, Y., 1390P
Pavithran, C. See Sudha, J. D., 2664P
Payne, B. See Benson, S., 3637C
Pearson, R. A. See Hydro, R. M., 1470P
Peeterbroeck, S. See Miltner, H. E., 1291P
Peeters, J. See Breteler, M. R. T., 429C
Pei, Q.-B. See Wen, G.-A., 388C
Pei, Y. See Washizu, T., 3083C
Pekcan, Ö. See Arda, E., 2918P
Penczek, S. See Kaluzynski, K., 90C; Khokhlov, A., 3503C
Peng, B. See Pu, K.-Y., 3776C; Wang, H.-Y., 1066C; Wen, G.-A., 388C
Peng, D. See Liu, Y., 2152C
—; Feng, C.; Lu, G.; Zhang, S.; Zhang, X.; Huang, X.: A Starlike Amphiphilic Graft Copolymer with Hydrophilic Poly(acrylic acid) Backbones and Hydrophobic Polystyrene Side Chains, 3687C
Peng, J. See Peng, Q., 1632C; Wang, E., 4941C
Peng, Q.
—; Li, M.; Tang, X.; Lu, S.; Peng, J.; Cao, Y.: New Polyphenylene- and Polyphenylenevinylene-Based Copolymers Containing Triarylpyrazoline Units in the Main Chains, 1632C
—; Yan, L.; Chen, D.; Wang, F.; Wang, P.; Zou, D.: Synthesis and Characterization of Hyperbranched Polyfluorenes Containing Triarylpyrazoline Cores Towards Efficient Blue Light-Emitting Diodes, 5296C

Peng, Z. See Xie, B., 5123C
—; Wang, D.; Liu, X.; Tong, Z.: RAFT Synthesis of a Water-Soluble Triblock Copolymer of Poly(styrenesulfonate)-*b*-Poly(ethylene glycol)-*b*-Poly(styrenesulfonate) Using a Macromolecular Chain Transfer Agent in Aqueous Solution, 3698C
Pennors, A. See Fraschini, C., 2380P
Penoff, M. E.
—; Papagni, G.; Yañez, M. J.; Montemartini, P. E.; Oyanguren, P. A.: Synthesis and Characterization of an Epoxy Based Thermoset Containing a Fluorinated Thermoplastic, 2781P
Percec, V. See Guliashvili, T., 1607C; Khokhlov, A., 3503C; Lligadas, G., 4684C; Monteiro, M. J., 1835C; Rosen, B. M., 4950C
—; Rudick, J. G.; Peterca, M.; Aqad, E.; Imam, M. R.; Heiney, P. A.: Synthesis, Structural, and Retrostructural Analysis of Helical Dendronized Poly(1-naphthylacetylene)s, 4974C
Pereira, G. G.
—; Pattanayek, S. K.: Shape Instabilities in Adsorbed Polymer Condensates, 3327P
Pérez-Carrillo, L. A. See Ledezma, R., 1463C
Pérez, E. See Cerrada, M. L., 1068P
Perez-Rigueiro, J. See Corsini, P., 2568P
—; Elices, M.; Plaza, G. R.; Rueda, J.; Guinea, G. V.: Fracture Surfaces and Tensile Properties of UV-Irradiated Spider Silk Fibers, 786P
Perrier, S. See Gemici, H., 2334C
Perry, M. C. See Lemmouchi, Y., 2235C, 3966C, 3975C
Pessan, L. A. See Vidotti, S. E., 3084P
Peterca, M. See Percec, V., 4974C
Peterlik, H. See Kogler, F. R., 2215P
Pham, H. See Boo, W. J., 1459P
Pharr, G. M. See Lee, S.-H., 1114P
Pialat, E.
—; Trigaud, T.; Moliton, J. P.; Thévenot, M.: Focused Ion Beam Micromachining and Computation of Polymeric Photonic Band Gap, 2993P
Piao, J. See Fei, X., 5923C
Piccarolo, S. See La Carrubba, V., 2688P
Picken, S. J. See Sisbandini, C., 666P
Piérola, I. F. See Valencia, J., 1683P
Pigłowski, J. See Kiersnowski, A., 2350P
Pijpers, T. See Luruli, N., 2956P
Pilati, T. See Metrangolo, P., 1C
Ping, P.
—; Wang, W.; Chen, X.; Jing, X.: The Influence of Hard-Segments on Two-Phase Structure and Shape Memory Properties of PCL-Based Segmented Polyurethanes, 557P
Piñol, M. See Millaruelo, M., 4804C
Pinteala, M. See Ungurenasu, C., 3124C
Pionteck, J. See Dlubek, G., 2519P
Pirri, R. See Herrera, V., 2484C
Pispas, S. See Mountrichas, G., 5790C
—; Complexes of Lysozyme with Sodium (Sulfamate-Carboxylate)Isoprene/Ethylene Oxide Double Hydrophilic Block Copolymers, 509C
Pitsikalis, M. See Kostakis, K., 3524C; Lorenzo, A. T., 5387C; Priftis, D., 5164C; Zorba, G., 2387C
Plaza, G. R. See Corsini, P., 2568P; Pérez-Rigueiro, J., 786P
Pluta, M.
—; Murariu, M.; da Silva Ferreira, A.; Alexandre, M.; Galeski, A.; Dubois, P.: Polylactide Compositions. II. Correlation Between Morphology and Main Properties of PLA/Calcium Sulfate Composites, 2770P
Pochan, D. J. See Hule, R. A., 239P
Pojman, J. A. See Chen, L., 4322C; Chen, S., 873C; Jiménez, Z., 2745C, 3009C; Mariani, A., 4514C
Polce, M. J. See Wyzgoski, F. J., 2161C
Poliks, B. See Paik, Y., 1271P
Pollet, E. See Chivrac, F., 1503P
Popov, Y. O.
—; Lee, J.; Fredrickson, G. H.: Field-Theoretic Simulations of Polyelectrolyte Complexation, 3223P
Posadas, P. See Valentín, J. L., 544P
Potemkin, I. I. See Gallyamov, M. O., 2368P
P'Pool, S. J. See Rankin, D. A., 2113C
Prathab, B.
—; Aminabhavi, T. M.: Molecular Modeling Study on Surface, Thermal, Mechanical and Gas Diffusion Properties of Chitosan, 1260P
Preston, J. See Ferreiro, J. J., 4671C
Pretula, J. See Kaluzynski, K., 90C
Priftis, D. See Lorenzo, A. T., 5387C
—; Pitsikalis, M.; Hadjichristidis, N.: Miktoarm Star Copolymers of Poly(ε-Caprolactone) from a Novel Heterofunctional Initiator, 5164C
Priftis, G. D. See Koutsioubas, A. G., 2060P
Prud'homme, R. E. See Fraschini, C., 2380P; Guérin, G., 10P; Jalabert, M., 1944C
Psarras, G. C.
—; Charge Transport Properties in Carbon Black/Polymer Composites, 2535P
Pu, K.-Y.
—; Chen, Y.; Qi, X.-Y.; Qin, C.-Y.; Chen, Q.-Q.; Wang, H.-Y.; Deng, Y.; Fan, Q.-L.; Huang, Y.-Q.; Liu, S.-J.; Wei, W.; Peng, B.; Huang, W.: Synthesis of Grafted Poly(*p*-phenylene-ethynylene) with Energy Donor–Acceptor Architecture via Atom Transfer Radical Polymerization: Towards Nonaggregating and Hole-Facilitating Light-Emitting Material, 3776C
Pu, S. See Xu, J., 5932C
Pucciariello, R.
—; Tammaro, L.; Villani, V.; Vittoria, V.: New Nanohybrids of Poly(ε-caprolactone) and a Modified Mg/Al Hydrotalcite: Mechanical and Thermal Properties, 945P
—; Villani, V.; Cascone, A.; Guadagno, L.; Vittoria, V.: Crystallization Kinetics and Morphology of the Mesomorphic Form of Syndiotactic Polypropylene, 936P

Pucher, N. See Heller, C., 3280C
Puig, J. E. See Ledezma, R., 1463C
Puiggalí, J. See Botines, E., 815P; Martínez-Palau, M., 2640P
Pukánszky, B. See Vidéki, B., 873P
Puskas, J. E. See Foreman, E. A., 5847C
—; Chan, S. W. P.; Mcauley, K. B.; Kaszas, G. Shaikh, S.: Living Carbocationic Copolymerization of Isobutylene with Styrene, 1778C
Pyda, M. See Qiu, W., 475P

Qi, X.-Y. See Pu, K.-Y., 3776C
Qi, Z. See Chen, G., 654P
Qian, H.
—; Mathiowitz, E.: Acyl Chloride-Facilitated Condensation Polymerization for the Synthesis of Heat-Sensitive Poly(anhydride-ester)s, 5899C
Qian, J.
—; Zhu, L.; Zhang, J.; Whitehouse, R. S.: Comparison of Different Nucleating Agents on Crystallization of Poly(3-hydroxybutyrate-*co*-3-hydroxyvalerates), 1564P
Qian, Y. J. See Shen, L., 3078P
Qiang, J. See Liu, Y., 3473C
Qiao, W. See Zhu, Z., 830C
Qiao, X.
—; Chen, M.; Zhou, J.; Wu, L.: Synthesis of Raspberry-Like Silica/Polystyrene/Silica Multilayer Hybrid Particles via Miniemulsion Polymerization, 1028C
Qin, A. See Häußler, M., 4249C
Qin, C.-Y. See Pu, K.-Y., 3776C
Qin, Q.
—; Shi, X.; McKenna, G. B.: Mechanical Hole Burning Spectroscopy in an SIS Tri-Block Copolymer, 3277P
Qinghua, Z.
—; Xiaoli, Z.; Fengqiu, C.; Ying, S.; Qiongyan, W.: Block Copolymers of Dodecafluoroheptyl Methacrylate and Butyl Methacrylate by RAFT Miniemulsion Polymerization, 1585C
Qiongyan, W. See Qinghua, Z., 1585C
Qiu, W.
—; Pyda, E.; Nowak-Pyda, E.; Habenschuss, A.; Wunderlich, B.: Reversible Melting and Crystallization of High-Molar-Mass Poly(oxyethylene), 475P
Qu, J.
—; Fujii, T.; Katsumata, T.; Suzuki, Y.; Shiotsuki, M.; Sanda, F.; Satoh, M.; Wada, J.; Masuda, T.: Helical Polyacetylenes Carrying 2,2,6,6-Tetramethyl-1-piperidinyloxy and 2,2,5,5-Tetramethyl-1-pyrrolidinyloxy Moieties: Their Synthesis, Properties, and Function, 5431C
Quan, D. See Guan, X., 2556C
Quatela, A. See Centore, R., 2719C
Quijada, R. See Velilla, T., 5480C
Quinn, J. F. See Tjipto, E., 4341C
Quintero, M. W. See Alvarez, Guillermo A., 91P
Qutubuddin, S. See Nazarenko, S., 1733P

Radhakrishnan, N.
—; Hijazi, A. K.; Komber, H.; Voit, B.; Zschoche, S.; Kühn, F. E.; Nuyken, O.; Walter, M.; Hanefeld, P.: Synthesis of Highly Reactive Polyisobutylenes Using Solvent-Ligated Manganese(II) Complexes as Catalysts, 5636C
Radnik, J. See Schütz, C., 3032C
Raghavan, A. See Vanjinathan, M., 2959C, 3877C
Raghu, A.
—; Somashekar, R.; Anantha-murthy, S.: Microrheological Studies of Regenerated Silk Fibroin Solution by Video Microscopy, 2555P
Raju, K. V. S. N. See Kumari, S., 2673C
Ramakrishnan, S. See Behera, G. C., 1474C
Ramalechume, C. See James, J., 2410P
Ramanathan, T.
—; Stankovich, S.; Dikin, D. A.; Liu, H.; Shen, H.; Nguyen, S. T.; Brinson, L. C.: Graphitic Nanofillers in PMMA Nanocomposites—An Investigation of Particle Size and Dispersion and Their Influence on Nanocomposite Properties, 2097P
Ramanujam, P. S. See Lohse, B., 4401C
Ramaswamy, R. See Francis, B., 2481P
Ramier, J.
—; Gauthier, C.; Chazeau, L.; Stelandre, L.; Guy, L.: Payne Effect in Silica-Filled Styrene–Butadiene Rubber: Influence of Surface Treatment, 286P
Ramis, X. See Arasa, M., 2129C; Fernández-Francos, X., 16C, 5446C; González, S., 1968C
Ranganathan, T.
—; Ku, B.-C.; Zilberman, J.; Beaulieu, M.; Farris, R. J.; Coughlin, E. B.; Emrick, T.: Poly(arylate-phosphonate) Copolymers with Deoxybenzoin in the Backbone: Synthesis, Characterization, and Thermal Properties, 4573C
Ranger, M. See Gao, H., 2425C
Rankin, D. A.
—; P'Pool, S. J.; Schanz, H.-J.; Lowe, A. B.: The Controlled Homogeneous Organic Solution Polymerization of New Hydrophilic Cationic *exo*-7-Oxanorbornenes via ROMP with $RuCl_2(PCy_3)_2$ CHPh in a Novel 2,2,2-Trifluoroethanol/Methylene Chloride Solvent Mixture, 2113C
Rao, J. See Ge, Z., 1432C
Rao, V. L. See Francis, B., 2481P
Rao, V. S. See Murali, M., 3116C
Rao, X.
—; Dang, G.; Zhou, H.; Yang, W.; Cui, G.; Chen, C.; Yokota, R.: Design and Synthesis of a Tribranched Phenylethynyl-Terminated Aryl Ether Compound and Its Use as a Reactive Diluent for PETI-5 , 4844C
Rasoul, F. See Kiani, K., 1074C
Ravi, N. See Zhang, D., 2569C
Ravi, P. See Sinaga, A., 2646C
Ravilly, G. See Verdier, C., 2113P
Rawlins, J. W. See Alidedeoglu, A. H., 3191C
Reddy, A. V. R. See Mohan, D. J., 2937P
Reddy, B. S. R. See Srividhya, M., 1707C
Reddy, J. N. See Jiang, H., 1435P
Redin, T.
—; Finne-Wistrand, A.; Mathisen, T.; Albertsson, A.-C.: Bulk Polymerization of *p*-Dioxanone Using a Cyclic Tin Alkoxide as Initiator, 5552C

Redondo, S. U. A. See José, N. M., 299P
Reemers, S.
—; Mela, P.; Mourran, A.; Magonov, S.; Keul, H.; Möller, M.: Synthesis and Polymerization of First-Generation Dendritic Methacrylate Macromonomers, 614C
Reena, V. L. See Sudha, J. D., 2664P
Regaño, C.
—; Marín, R.; Alla, A.; Iribarren, J. I.; de Ilarduya, A. M.; Muñoz-Guerra, S.: Crystallization and Crystal Structure of Poly(ester amide)s Derived From L-Tartaric Acid, 116P
Register, R. A. See Yee-Chan, C. K., 1198P
Rein, D. M. See Shavit-Hadar, L., 1535P
—; Shavit-Hadar, L.; Khalfin, R. L.; Cohen, Y.; Shuster, K.; Zussman, E.: Electrospinning of Ultrahigh-Molecular-Weight Polyethylene Nanofibers, 766P
Reinecke, H. See Alvarez, G. A., 91P
Ren, C. See Liu, J., 699C
Ren, J. See Gu, S.-Y., 3189P
Ren, S. See Zheng, Y., 2835P
Ren, X. See Lu, C., 1976P
Renault, B.
—; Tassaing, T.; Cloutet, E.; Cramail, H.: One-Shot Synthesis of High Molar Mass Polyurethane in Supercritical Carbon Dioxide, 5649C
Resasco, D. See Buffa, F., 490P
Resnati, G. See Metrangolo, P., 1C
Reyes, N. See D'Angelo, J. G., 2328C
Rials, T. G. See Lee, S.-H., 1114P
Riande, E. See Compañ, V., 1798P; Costamagna, V., 2421P
Ribour, D.
—; Bollack-Benoit, V.; Monteil, V.; Spitz, R.: Exploring Pathways to Reduce the Distribution of Active Sites in the Ziegler–Natta Polymerization of Propylene, 3941C
Ricci, G.
—; Boglia, A.; Motta, T.; Bertini, F.; Boccia, A. C.; Zetta, L.; Alberti, E.; Famulari, A.; Arosio, P.; Meille, S. V.: Synthesis and Structural Characterization of Syndiotactic *trans*-1,2 and *cis*-1,2 Polyhexadienes, 5339C
—; Zetta, L.; Alberti, E.; Motta, T.; Canetti, M.; Bertini, F.: Butadiene–Isoprene Copolymerization with $V(acac)_3$-MAO. Crystalline and Amorphous *Trans*-1,4 Copolymers, 4635C
Riccio, P. See Centore, R., 2719C
Rider, D. See Lastella, S., 758P
Riekkola, M.-L. See Wiedmer, S. K., 2655P
Riess, J. G. See Krafft, M. P., 1185C
Rieumont, J. See Machado, J. C., 2400P
Righetti, M. C. See Lorenzo, M. L. D., 3148P
Rintoul, L. See Kiani, K., 1074C
Ripmeester, W. E. See Sarzotti, D. M., 1677C
Ritter, H. See Sinnwell, S., 3659C
Ritums, J. E.
—; Neway, B.; Doghieri, F.; Bergman, G.; Gedde, U. W.; Hedenqvist, M. S.: Assessing the Transport Properties of Organic Penetrants in Low-Density Polyethylene Using Free Volume Models, 723P
Rivaton, A. See Chambon, S., 317C
Robin, J. J. See Auvergne, R., 1324C
Robin, J.-J. See Boyer, C., 395C
Rodríguez, A. See Valentín, J. L., 544P
Rodríguez, J. G.
—; Tejedor, J. L.: Polymerization of Conjugated 5-[(5-Ethynyl-1-naphthyl)ethynyl]-*N,N*-dimethylnaphthalen-1-amine with Rhodium and Palladium Complexes, 2038C
—; Tejedor, J. L.: Synthesis and Polymerization of 5-(*N,N*-Dimethy lamino)naphthylacetylene with Homogeneous Rhodium and Palladium Complexes, 437C
Rodríguez-Amor, V. See Cerrada, M. L., 1068P
Rodrigues, C. See Viciosa, M. T., 2802P
Roger, P. See Bech, L., 2172C
Roguet, E.
—; Tencé-Girault, S.; Castagnet, S.; Grandidier, J. C.; Hochstetter, G.: Micromechanisms Involved in the Atypical Tensile Behavior Observed in Polyamide 11 at High Temperature, 3046P
Roland, C. M. See Schroeder, M. J., 342P
Ronda, J. C. See Andreu, R., 4965C; Spontón, M., 2142C
Roper, III, J. A. See De Bruyn, H., 4185C
Rosen, B. M.
—; Percec, V.: A Density Functional Theory Computational Study of the Role of Ligand on the Stability of Cu^{I} and Cu^{II} Species Associated with ATRP and SET-LRP, 4950C
Roussel, F. See Slimane, S. K., 18P
Roviello, A.
—; Buono, A.; Carella, A.; Roviello, G.; Cassinese, A.; Barra, M.; Biasucci, M.: Regioregular Poly[3-(4-alkoxyphenyl)thiophene]s, 1758C
Roviello, G. See Roviello, A., 1758C
Rowan, A. E. See Metselaar, G. A., 981C
Roy, A. See Lee, H.-S., 4879C; Wang, H., 284C
Ru, J. See Zhao, P., 242C
Rubio, F.
—; García, F.; Burrows, H. D.; Pais, A. A. C. C.; Valente, A. J. M.; Tapia, M. J.; García, J. M.: Aqueous Solution and Solid State Interactions of Lanthanide Ions with a Methacrylic Ester Polymer Bearing Pendant 15-Crown-5 Moieties, 1788C
Rudick, J. G. See Percec, V., 4974C
Rueda, D. R. See Linares, A., 1653P
Rueda, J. See Pérez-Rigueiro, J., 786P
Ruehl, J.
—; Braslau, R.: A Bidirectional ATRP-NMRP Initiator: The Effect of Nitroxide Size on the Rate of Nitroxide-Mediated Polymerization, 2015C
Rui, L. See Jiaming, Z., 4082C
Rusa, C. C. See Paik, Y., 1271P
Russell, T. P. See Chen, J.-T., 2912P
Russo, M. V. See Fratoddi, I., 3311C
Russo, S. See Mariani, A., 2204C
Rusu, E. See Rusu, G., 794P
Rusu, G.
—; Rusu, E.; Leontie, L.; Rusu, G. I.: Electrical DC Conduction Mechanism in

Some Newly Synthesized Nylon 6/12 Copolymers, 794P
Rusu, G. I. See Rusu, G., 794P
Rytter, E. See Tynys, A., 1364C
Ryu, C. Y. See Lastella, S., 758P; Yang, H., 1303P
Ryu, D. Y. See Hyun, D. C., 2729P
Ryu, S. H. See Shanmugharaj, A. M., 460C
Ryzhov, V. A. See Karabanova, L. V., 963P

Sacarescu, L. See Hurduc, N., 4240C
Saccani, A. See Motori, A., 705P
Sadhana, R. See Francis, B., 2481P
Saf, R. See Sandholzer, M., 1336C
Safronov, A. P.
—; Suvorova, A. I.; Tyukova, I. S.; Smirnova, Y. A.: Opposite Trends in Thermodynamic Compatibility Between Copolyamide and Chitosan in their Binary Blend, 2603P
Sahmetlioglu, E. See Kiskan, B., 999C
Saikia, P. J.
—; Lee, J. M.; Lee, B. H.; Choe, S.: Influence of a Reversible Addition–Fragmentation Chain Transfer Agent in the Dispersion Polymerization of Styrene, 348C
Saint-Loup, R. See Auvergne, R., 1324C
Saito, K. See Bianchini, J. R., 1296C
Saka, T. See Miura, Y., 1159C
Sakai, J. See Ukawa, J., 1003P
Sakai, K. See Agari, Y., 2972P
Sakai, T. See Ueda, M., 1578P
Sakai, Y. See Gunji, T., 3273C
Sakamura, T. See Asano, M., 2624C
Sakellariou, G. See Ji, H., 3949C
Salgueiro, W.
—; Somoza, A.; Torriani, I. L.; Marzocca, A. J.: Cure Temperature Influence on Natural Rubber—A Small Angle X-ray Scattering Study, 2966P
Salla, J. M. See Arasa, M., 2129C; Fernández-Francos, X., 16C, 5446C; González, S., 1968C
Samui, A. B. See Murali, M., 3116C
Sanchis, R. M.
—; Calvo, O.; Sánchez, L.; García, D.; Balart, R.: Enhancement of Wettability in Low Density Polyethylene Films Using Low Pressure Glow Discharge N_2 Plasma, 2390P
Sánchez, C. See Forcén, P., 1899C
Sánchez-Chaves, M.
—; Fernández-García, M.; Cerrada, M. L.: Ethylene-Vinyl Alcohol Copolymers Partially Modified With Benzoate Groups: Study of Their Polymorphic Behavior, 1026P
Sánchez, L. See Sanchis, R. M., 2390P
Sanda, F. See Qu, J., 5431C; Yue, D., 1515C; Zhao, H., 253C, 1691C
—; Kawasaki, R.; Shiotsuki, M.; Masuda, T.: Synthesis and Chiroptical Properties of Optically Active Poly(ethynylcarbazole) Derivatives: Substituent Effect on the Helix Formation, 4450C
Sanderson, R. D. See Bowes, A., 588C
Sandholzer, M.
—; Lex, A.; Trimmel, G.; Saf, R.; Stelzer, F.; Slugovc, C.: Xanthene Dye Functionalized Norbornenes for the Use in Ring Opening Metathesis Polymerization, 1336C
Sangermano, M.
—; Tasdelen, M. A.; Yagci, Y.: Photoinitiated Curing of Mono- and Bifunctional Epoxides by Combination of Active Chain End and Activated Monomer Cationic Polymerization Methods, 4914C
Sanguineti, A. See Fossati, P., 1637P
Sankar, G.
—; Nasar, A. S.: Amine-Blocked Polyisocyanates. I. Synthesis of Novel *N*-Methylaniline-Blocked Polyisocyanates and Deblocking Studies Using Hot-Stage Fourier Transform Infrared Spectroscopy, 1557C
Sankhe, A. Y.
—; Husson, S. M.; Kilbey, II, S. Michael: Direct Polymerization of Surface-Tethered Polyelectrolyte Layers in Aqueous Solution via Surface-Confined Atom Transfer Radical Polymerization, 566C
San-José, N.
—; Gómez-Valdemoro, A.; García, F. C.; de la Peña, J. L.; Serna, F.; García, J. M.: Synthesis and Characterization of Novel Poly(amide urea)s, Materials with Outstanding Mechanical Properties, 5398C
—; Gómez-Valdemoro, A.; García, F. C.; Serna, F.; García, J. M.: Aromatic Polyamides with Pendant Urea Moieties, 4026C
Sannino, D. See Gorrasi, G., 597P
Sannomiya, A.
—; Fukui, K.; Nagaoka, S.; Suzuki, Y.; Iwaki, M.; Kawakami, H.: Gas Transport Properties of Asymmetric Polyimide Membranes Prepared by Ion-Beam Irradiation, 262P
Santos, C. A. N. S. See da Silva, J. A. L., 1907P
Santos, R. G. See Ortiz, R. A., 4829C
Sanyal, A. See Dispinar, T., 4545C
Sanyal, R. See Dispinar, T., 4545C
Sarazin, P.
—; Favis, B. D.: Stability of the Co-Continuous Morphology during Melt Mixing for Poly (ε-caprolactone)/Polystyrene Blends, 864P
Sariciftci, N. S. See Egbe, D. A. M., 1619C
Sarno, M. See Gorrasi, G., 597P
Sarti, G. C. See Fossati, P., 1637P
Sarzotti, D. M.
—; Marshman, D. J.; Ripmeester, W. E.; Soares, J. B. P.: A Kinetic Study of Metallocene-Catalyzed Ethylene Polymerization Using Different Aluminoxane Cocatalysts, 1677C
Sasabe, H.
—; Inomoto, N.; Kihara, N.; Suzuki, Y.; Ogawa, A.; Takata, T.: Synthesis of Poly[2]rotaxane by Sonogashira Polycondensation, 4154C
Sasaki, S. See Yamamoto, T., 548C
Sato, A. See Nomura, Y., 2689C
Sato, H. See Washizu, T., 3083C
Sato, M. See Yamaguchi, I., 1507C
—; Matsuoka, Y.; Yamaguchi, I.: Preparation and Properties of

Novel Thermotropic Liquid Crystalline Hyperbranched Polyesters Composed of Five-Membered Heterocyclic Mesogen by A_2+B_3 Approach, 2998C
Sato, N. See Sekine, R., 5916C
—; Tanaka, K.; Masaki, S.; Yamazaki, S.; Kimura, K.; Nishichi, A.: Synthesis and Properties of Fluorine-Containing Poly(aryl ether oxadiazole)s, 2855C
Sato, S. See Nomura, Y., 2689C; Takano, A., 2277P
Sato, S.-I. See Ochiai, B., 3400C, 3408C
Satoh, M. See Fukunaga, Y., 1166P; Qu, J., 5431C
Satzinger, V. See Heller, C., 3280C
Sauguet, L.
—; Ameduri, B.; Boutevin, B.: Fluorinated Copolymers and Terpolymers Based on Vinylidene Fluoride and Bearing Sulfonic Acid Side-Group, 1814C
Sawa, K. See Kato, M., 677P
Sawai, D.
—; Tsugane, Y.; Tamada, M.; Kanamoto, T.; Sungil, M.; Hyon, S.-H.: Crystal Density and Heat of Fusion for a Stereo-Complex of Poly(L-Lactic acid) and Poly(D-Lactic acid), 2632P
Sawyer, R. See D'Angelo, J. G., 2328C
Sbrana, G. See Galletti, A. M., 1134C
Schacht, E. See Lemmouchi, Y., 3966C, 3975C
Schadler, L. S. See Yang, H., 747P
Schaefer, J. See Paik, Y., 1271P
Schanz, H.-J. See Rankin, D. A., 2113C
Schappacher, M. See Guillaume, S. M., 3611C
Scherillo, G. See Lavorgna, M., 395P
Schiavon, M. A. See José, N. M., 299P
Schiraldi, D. A. See Ghosh, A., 1077P
Schlaad, H. See Oh, J. K., 4764C
Schmidt, J. See Buhler, E., 103P
Schmidt, V. See Heller, C., 3280C
Schmidtke, K. See Egbe, D. A. M., 1619C
Schneidewind, L. See Carioscia, J. A., 5686C
Schnorpfeil, C. See Schütz, C., 3032C
Scholl, M.
—; Nguyen, T. Q.; Bruchmann, B.; Klok, H.-A.: The Thermal Polymerization of Amino Acids Revisited; Synthesis and Structural Characterization of Hyperbranched Polymers from L-Lysine, 5494C
Schols, H. A. See Huijbrechts, A. A. M. L., 2734C
Schönberger, F.
—; Novel Multiblock-*co*-Ionomers as Potential Polymer Electrolyte Membrane Materials, 5237C
Schrock, A. K. See Ginzburg, V. V., 2123P
Schroeder, M. J.
—; Ngai, K. L.; Roland, C. M.: The Nearly Constant Loss, Johari-Goldstein β-Relaxation, and α-Relaxation of 1,4-Polybutadiene, 342P
Schué, F. See Lemmouchi, Y., 2235C
Schubert, U. See Kogler, F. R., 2215P
Schubert, U. S. See Hoogenboom, R., 416C, 5371C
Schütz, C.
—; Dwars, T.; Schnorpfeil, C.; Radnik, J.; Menzel, M.; Kragl, U.: Selective Polymerization of Propylene Oxide by a Tin Phosphate Coordination Polymer, 3032C
Schutzmann, S. See Centore, R., 2719C
Sciamanna, S. F. See Ghosh, A., 1077P
Sciannamea, V.
—; Catala, J.-M.; Jérôme, R.; Detrembleur, C.: Controlled Radical Polymerization of Styrene Mediated by the *C*-Phenyl-*N*-*tert*-butylnitrone/AIBN Pair: Kinetics and Electron Spin Resonance Analysis, 1219C
Scogna, R. C. See Yee-Chan, C. K., 1198P
Scott, N. M. See Guillaume, S. M., 3611C
Scutaru, D. See Hurduc, N., 4240C
Sean Tang, H. See Hermel-Davidock, T. J., 3338P
Seesukphronrarak, S.
—; Kawasaki, S.; Kobori, K.; Takata, T.: Synthesis of Fluorene-Based High Performance Polymers. I. Poly(arylene thioether)s with Excellent Solubility and High Refractive Index, 3073C
Segura, J. L. See Martínez, G., 5408C
Seidl, B. See Heller, C., 3280C
Seidler, S. See Kogler, F. R., 2215P
Seki, N. See Mikawa, M., 2739P
Sekine, R.
—; Sato, N.; Matsuyama, T.; Akasaka, S.; Hasegawa, H.: Radiation-Induced Fabrication of Polymer Nanoporous Materials from Microphase-Separated Structure of Diblock Copolymers as a Template, 5916C
Sekiya, F. See Narita, T., 908C
Selvanathan, G. See Manisankar, P., 2787C
Sencadas, V. See Branciforti, M. C., 2793P
Senyurt, A. F. See Wei, H., 822C
Seo, J. See Jung, I. G., 3042C
Seppälä, J. V. See Tynys, A., 1364C
Sergeeva, L. M. See Karabanova, L. V., 963P
Serna, F. See San-José, N., 4026C, 5398C
Serna, L. V. See Galdámez, J. R., 2071P
Serra, A. See Arasa, M., 2129C; Fernández-Francos, X., 16C, 5446C; García, S. J., 2316C; González, S., 1968C
Serrano, J. L. See Millaruelo, M., 4804C
Seshadri, D. T.
—; Bhat, N. V.: Structural and Electrical Properties of Crystals of Substituted Polyaniline, 1127P
Seytre, G. See Hakme, C., 1950P
Sha, K.
—; Li, D.; Li, Y.; Liu, X.; Wang, S.; Guan, J.; Wang, J.: Synthesis, Characterization, and Micellization of an Epoxy-Based Amphiphilic Diblock Copolymer of ε-Caprolactone and Glycidyl Methacrylate by Enzymatic Ring-Opening Polymerization and Atom Transfer Radical Polymerization, 5037C
Sha, P. See Fei, X., 5923C
Shaikh, S. See Puskas, J. E., 1778C
Shan, D. See Zhang, J., 5573C
Shan, G.-F.
—; Yang, W.; Tang, X.-G.; Yang, M.-B.; Xie, B.-H.; Fu, Q.:

Double Yielding in PA6: Effect of Mold Temperature and Moisture Content, 1217P
Shanavas, A. See Vanjinathan, M., 3877C
Shang, X.
—; Liu, X.; Cui, D.: Yttrium Bis(alkyl) and Bis(amido) Complexes Bearing N,O Multidentate Ligands. Synthesis and Catalytic Activity Towards Ring-Opening Polymerization of L-Lactide, 5662C
Shangguan, Y.
—; Zhao, L.; Tao, L.; Zheng, Q.: Formation of β-*i*PP in Isotactic Polypropylene/Ethylene–Propylene Rubber Blends: Effects of Preparation Method, Composition, and Thermal Condition, 1704P
Shanks, R. See Al-Mulla, A., 1344P
Shanmugharaj, A. M.
—; Bae, J. H.; Nayak, R. R.; Ryu, S. H.: Preparation of Poly(styrene-*co*-acrylonitrile)-Grafted Multiwalled Carbon Nanotubes via Surface-Initiated Atom Transfer Radical Polymerization, 460C
Sharpless, K. B. See Liu, Y., 5182C; Vestberg, R., 2835C
Shavit-Hadar, L. See Rein, D. M., 766P
—; Rein, D. M.; Khalfin, R.; Terry, A. E.; Heunen, G. W. J. C.; Cohen, Y.: Compacted UHMWPE Fiber Composites: Morphology and X-ray Microdiffraction Experiments, 1535P
Shaw, M. T. See Lavorgna, M., 395P
She, H.-S. See Chan, S.-C., 125C
Sheiko, S. S. See Gallyamov, M. O., 2368P
Shen, D. See Chen, G., 654P
Shen, F. See Yuan, X., 571P
—; Yuan, X.; Wu, C.: Investigation on Crosslinking Behaviors of NBR/PVC Filled with Anhydrous Copper Sulfate Particles by Dynamic Mechanical Analysis, 41P
Shen, H. See Fujii, Y., 1234P; Ramanathan, T., 2097P
Shen, L. See Xu, J., 5932C
—; Lou, Z. D.; Qian, Y. J.: Effects of Thermal Volume Expansion on Positive Temperature Coefficient Effect for Carbon Black Filled Polymer Composites, 3078P
Shen, Q. See Sheng, H., 1210C
Shen, Z. See Liu, H., 1177C; Zhang, X., 5509C
Sheng, H.
—; Zhou, L.; Zhang, Y.; Yao, Y.; Shen, Q.: Anionic Lanthanide Phenoxide Complexes as Novel Single-Component Initiators for the Polymerization of ε-Caprolactone and Trimethylene Carbonate, 1210C
Sheng, R. See Jin, M., 3460C
Sherrington, D. C. See Bouhier, M.-H., 2375C
Shi, D. See Zhang, R. H., 2674P
Shi, X. See Qin, Q., 3277P
Shi, L. See Jiang, X., 2812C
—; Bi, W.; Chen, H.; Tang, T.: Synthesis and Morphology of Polyethylene Chains Grafted Onto the Surface of Crosslinked Polystyrene Microspheres, 4477C
Shi, Q. See Lu, C., 3204C; Xie, Z., 1737C
Shi, T. See Yu, X., 147C
Shi, W. See Ge, Z., 1432C; Liu, J., 699C
Shi, Y. See Jiang, P., 2947C
Shiau, C.-S. See Chen, S.-H., 136C
Shibahara, Y. See Akiyama, Y., 2031P
Shibasaki, Y. See Liu, J.-G., 5606C
Shieh, Y.-T.
—; Liu, G.-L.: Effects of Carbon Nanotubes on Crystallization and Melting Behavior of Poly(L-lactide) via DSC and TMDSC Studies, 1870P
—; Liu, G.-L.: Temperature-Modulated Differential Scanning Calorimetry Studies on the Origin of Double Melting Peaks in Isothermally Melt-Crystallized Poly(L-lactic acid), 466P
Shiga, A. See Zuo, W., 3415C
Shih, P.-I. See Chien, C.-H., 2073C, 2938C; Yuan, M.-C., 2925C
Shim, H. K. See Lee, S. K., 1199C, 3380C
Shim, H.-K. See Lee, J., 1236C
Shim, J. H.
—; Joo, J. H.; Jung, S. H.; Yoon, J.-S.: Effect of Silane-Grafted Polypropylene on the Morphology of Polypropylene and Nylon 6/Clay Composites, 607P
Shim, S. E. See Hong, J., 3477C; Kim, M., 4413C
Shimada, S.
—; Hiroi, T.; Ida, T.; Mizuno, M.; Endo, K.; Kurmaev, E. Z.; Moewes, A.: X-ray Photoelectron and Carbon Kα Emission Measurements and Calculations of O-, CO-, N-, and S-containing Substances, 162P
Shimamoto, N. See Tanaka, M., 521C
Shimizu, H. See Li, Y., 2707P
Shimomura, M. See Kaito, A., 1959P
Shin, B.-G. See Liu, B., 3391C
Shin, D.-C. See Kim, Y.-H., 900C; Zhao, Q., 341C
Shin, D. M. See Jung, I. G., 3042C
Shin, G. J.
—; Jung, J. C.; Chi, J. H.; Oh, T. H.; Kim, J. B.: Synthesis and Micropatterning Properties of a Novel Base-Soluble, Positive-Working, Photosensitive Polyimide Having an *o*-Nitrobenzyl Ether Group, 776C
Shin, K. See Song, J.-M., 1045P
Shin, T. J. See Yang, H., 1303P
Shin, W. S.
—; Kim, S. C.; Lee, S.-J.; Jeon, H.-S.; Kim, M.-K.; Naidu, B. V. K.; Jin, S.-H.; Lee, J.-K.; Lee, J. W.; Gal, Y.-S.: Synthesis and Photovoltaic Properties of a Low-Band-Gap Polymer Consisting of Alternating Thiophene and Benzothiadiazole Derivatives for Bulk-Heterojunction and Dye-Sensitized Solar Cells, 1394C
Shiono, T. See Hasan, T., 4581C; Ishihara, T., 5731C; Ban, H. T., 2765C
Shiotsuki, M. See Hu, Y., 4487C; Qu, J., 5431C; Sanda, F., 4450C; Yue, D., 1515C
Shu, C.-F. See Chien, C.-H., 2073C, 2938C; Yuan, M.-C., 2925C
Shuai, X. See Guan, X., 2556C
Shull, K. R. See Flory, A. L., 3361C, 3361P
Shunmugam, R.
—; Smith, C. E.; Tew, G. N.: ATRP Synthesis of ABC Lipophilic–Hydrophilic–Fluorophilic Triblock Copolymers, 2601C
Shuster, K. See Rein, D. M., 766P

Shyr, T.-W.
—; Lo, C.-M.; Ye, S.-R.; Bian, J.: Sequence Distribution and Crystal Structure of Poly(ethylene/butylene terephthalate) Copolyesters Compared With Poly(ethylene/trimethylene terephthalate) Copolyesters, 405P
Sieber, C. See Egbe, D. A. M., 1619C
Siegel, R. W. See Yang, H., 747P
Sikora, A. See Janata, M., 4074C
Silva, G. G. See Machado, J. C., 2400P
Silverstein, M. S. See Amir, N., 4264C
Simha, R. See Li, G., 2497P
Simon, L. C. See Al-Harthi, M., 2212C
Simon, S. L. See Meng, Y., 3375C, 3375P
Simonyan, A. See Gitsov, I., 5136C
Simonyi, E. See Lin, Q., 1482P
Sinaga, A.
—; Ravi, P.; Hatton, T. A.; Tam, K. C.: Synthesis of Poly(acrylic acid)-*block*-Poly(L-valine) Hybrid Through Combined Atom Transfer Radical Polymerization, Click Chemistry, and Nickel-Catalyzed Ring Opening Polymerization Methods, 2646C
Singha, N. K. See Bhadra, S., 2046P; Biswas, A., 5529C; Datta, H., 1661C; Kavitha, A. A., 4441C
Sinnwell, S.
—; Ritter, H.: Microwave Assisted Hydroxyalkylamidation of Poly(ethylene-*co*-acrylic acid) and Formation of Grafted Poly(ε-caprolactone) Side Chains, 3659C
Siochi, E. J. See Illingsworth, M. L., 1641C
Siracusa, V. See Soccio, M., 1694P
Sisbandini, C.
—; Every, H. A.; Viale, S.; Mendes, E.; Picken, S. J.: Spontaneous Formation of Hierarchical Proton-Conductive Structures in Sulfonated Poly(*p*-phenylene terephthalamide) Copolymer Films, 666P
Sivaram, S. See Gnaneshwar, R., 2514C; Subramanyam, U., 191C, 1093C
Slimane, S. K.
—; Roussel, F.; Maschke, U.: Miscibility and Morphology of Poly(ethylhexylacrylate)/Liquid Crystal Blends Prepared Under Different Conditions, 18P
Slugovc, C. See Gstrein, X., 3494C; Sandholzer, M., 1336C
Smid, J. See Franta, E., 2576C
Smirnova, Y. A. See Safronov, A. P., 2603P
Smith, C. E. See Shunmugam, R., 2601C
Smith, Jr., D. W. See Zengin, H., 1860C; Iacono, S. T., 5705C
Smith, G. D. See Ji, H., 3949C
—; Bedrov, D.: Relationship Between the α- and β-Relaxation Processes in Amorphous Polymers: Insight From Atomistic Molecular Dynamics Simulations of 1,4-Polybutadiene Melts and Blends, 627P
Smith, J. S.
—; Borodin, O.; Smith, G. D.; Kober, E. M.: A Molecular Dynamics Simulation and Quantum Chemistry Study of Poly(dimethylsiloxane)–Silica Nanoparticle Interactions, 1599P
Smith, M. B. See D'Angelo, J. G., 2328C
Smith, III, M. R. See Jiang, X., 5227C
Sniegocka, M. See Dlubek, G., 2519P
So, Y.-H.
—; Bell, B. M.; Albers, D. R.: Photolytic Transformation of Aryl Benzobisoxazole and Aryl Benzobisthiazole Compounds into Carbon Dioxide, 1868C
Soares, B. G. See Souza, Jr., F. G., 3069P
Soares, J. B. P. See Al-Harthi, M., 2212C; Sarzotti, D. M., 1677C; Anantawaraskul, S., 1010P
Soccio, M.
—; Finelli, L.; Lotti, N.; Gazzano, M.; Munari, A.: Poly(propylene isophthalate), Poly(propylene succinate), and Their Random Copolymers: Synthesis and Thermal Properties, 310P
—; Finelli, L.; Lotti, N.; Siracusa, V.; Ezquerra, T. A.; Munari, A.: Novel Ethero Atoms Containing Polyesters Based on 2,6-Naphthalen-dicarboxylic Acid: A Comparative Study with Poly(butylene naphthalate), 1694P
Soles, C. L.
—; Introduction, 1389P
Soloukhin, V. A.
—; Brokken-Zijp, J. C. M.; de With, G.Conductive ATO-Acrylate Nanocomposite Hybrid Coatings: Experimental Results and Modeling, 2147P
Somashekar, R. See Raghu, A., 2555P
Somoza, A. See Salgueiro, W., 2966P
Son, E.-C. See Ohshita, J., 4588C
Son, S. U. See Jung, I. G., 3042C
Song, G. See Han, J., 2638C
Song, J.-M.
—; Luqman, M.; Kim, J.-S.; Shin, K.: Mechanical Properties and Morphology of Homoblends of a Poly(ethyl acrylate) Ionomer Having One Ion Pair per Ionic Repeat Unit and a Poly(ethyl acrylate) Ionomer Having Two Ion Pairs, 1045P
Song, L. See Cao, N., 5800C
Song, M. See Guo, T.-Y., 5067C
Song, R.
—; Yang, D.; He, L.; Yao, G.: Surface Enrichment and Crystallization of Polyamide and Polytetrafluoroethylene Blend, 138P
Song, Y. See Sun, J., 2594P
Sonnenschein, M. F.
—; Webb, S. P.; Cieslinski, R. C.; Wendt, B. L.: Poly(acrylate/epoxy) Hybrid Adhesives for Low-Surface-Energy Plastic Adhesion, 989C
Sorrentino, A.
—; Pantani, R.; Titomanlio, G.: Kinetics of Melting and Characterization of the Thermodynamic and Kinetic Properties of Syndiotactic Polystyrene, 196P
Sotzing, G. A. See D'Angelo, J. G., 2328C
Soucek, M. D. See Ortiz, R. A., 4829C
Souza, Jr., F. G.
—; Soares, B. G.; Dahmouche, K.: Effect of Preparation Method on Nanoscopic Structure of Conductive SBS/PANI Blends: Study Using

Small-Angle X-ray Scattering, 3069P
Spain, S. G.
—; Gibson, M. I.; Cameron, N. R.: Recent Advances in the Synthesis of Well-Defined Glycopolymers, 2059C
Spěváček, J. See Janata, M., 4074C
Spiliopoulos, N. See Koutsioubas, A. G., 2060P
Spitz, R. See Lopez, R. G., 2705C; Ribour, D., 3941C
Spontón, M.
—; Ronda, J. C.; Galià, M.; Cádiz, V.: Flame Retardant Epoxy Resins Based on Diglycidyl Ether of (2,5-Dihydroxyphenyl)diphenyl Phosphine Oxide, 2142C
Spontak, R. J. See Guo, Q., 2614P
Sprong, E. See De Bruyn, H., 4185C
Srividhya, M.
—; Reddy, B. S. R.: Synthesis and Characterization of Polyimide Containing PEG/PDMS Amphiphilic Conetworks by Hydrosilylation: Correlation between Structure and Properties, 1707C
Stamm, M. See Garcia, I., 925C, 4744C
Stampfl, J. See Heller, C., 3280C
Stankovich, S. See Ramanathan, T., 2097P
Stansbury, J. W. See Kilambi, H., 1287C
Starr, F. W. See Knauert, S. T., 1882P
Steinbock, O. See Campbell, T. D., 2593C
Stelandre, L. See Ramier, J., 286P
Stella, F. See Centore, R., 2719C
Stelzer, F. See Gstrein, X., 3494C; Sandholzer, M., 1336C
Stenzel, J. See D'Angelo, J. G., 2328C
Stenzel, M. H. See Nguyen, T. L. U., 3256C; Szablan, Z., 1931C; Joso, R., 3482
Stevenson, I. See Hakme, C., 1950P
Strandberg, C.
—; Albertsson, A.-C.: Build-up of Carboxylic Acids in Polyethylene and their Relation to Off-Flavor and Carbonyl Index, 1848C
Strumia, M. See Costamagna, V., 2421P
Stöver, H. D. H. See Burke, N. A. D., 4129C
Su, F.-K.
—; Liau, G.-F.; Hong, J.-L.: Restraining the Aggregation of Photoluminescent 1-Pyrenecarboxylic Acid by Hydrogen Bonding to Poly(methyl methacrylate), 920P
Su, T.
—; Wang, G. Y.; Hu, C. P.: Preparation and Properties of Well-defined Waterborne Polyurethaneurea with Fluorinated Siloxane Units in Hard or Soft Segments, 5005C
Su, W. See Gao, J., 5380C
Su, W.-F.
—; Yeh, K.-M.; Chen, Y.: Synthesis and Optoelectronic Properties of Luminescent Poly(*p*-phenylenevinylene) Derivatives Containing Electron-Transporting 1,3,4-Oxadiazole Groups, 4377C
Su, Y. O. See Liou, G.-S., 3292C
Su, Y.-T. See Liou, G.-S., 4352C
Suay, J. See García, S. J., 2316C
Subramani, S.
—; Lee, J.-Y.; Choi, S.-W.; Kim, J. H.: Waterborne Trifunctionalsilane-Terminated Polyurethane Nanocomposite With Silane-Modified Clay, 2747P
Subramanyam, U.
—; Sivaram, S.: Kinetics of Hexene-1 Polymerization Using [(*N*,*N*′-Diisopropylbenzene)-2,3-(1,8-napthyl)-1,4-diazabutadiene] Dibromonickel/Methylaluminoxane Catalyst System, 1093C
—; Sivaram, S.: Synthesis and Characterization of Poly(higher-α-olefin)s with a Nickel(α-diimine)/Methylaluminoxane Catalyst System: Effect of Chain Running on the Polymer Properties, 191C
Suda, Y. See Liu, J.-H., 2026C
Sudha, J. D.
—; Reena, V. L.; Pavithran, C.: Facile Green Strategy for Micro/Nano Structured Conducting Polyaniline-Clay Nanocomposite via Template Polymerization Using Amphiphilic Dopant, 3-Pentadecyl Phenol 4-Sulphonic Acid, 2664P
Sudhakar, P.
—: Titanium and Zirconium Complexes Containing Modified TREN Ligands for the Polymerization of 1-Alkenes—A Comparative Study, 5470C
Sudhölter, E. J. R. See Huijbrechts, A. A. M. L., 2734C
Sudo, A. See Fujita, Y., 5365C; Horikiri, M., 4606C; Motokucho, S., 4459C; Ochiai, B., 2820C; Uenishi, K., 1170C
—; Uenishi, K.; Endo, T.: Imidazole-Promoted Copolymerization of Epoxide and 3,4-Dihydrocoumarin and Its Application to a High-Performance Curing System, 3798C
Sudol, E. D. See Jiang, S., 2105C
Sue, H.-J. See Boo, W. J., 1459P; Jiang, H., 1435P
Sugimoto, H. See Inomata, K., 129P
Sumitomo, K. See Cui, L., 5285C
Sun, J. See Cai, Z.-Q., 727C, 3922C; Deng, C., 3218C; Zhang, S., 768C
—; Song, Y.; Zheng, Q.; Tan, H.; Yu, J.; Li, H.: Nonlinear Rheological Behavior of Silica Filled Solution-Polymerized Styrene Butadiene Rubber, 2594P
Sun, L. See Boo, W. J., 1459P
Sun, L.-M.
—; Fan, X.-H.; Chen, X.-F.; Liu, X.-F.; Zhou, Q.-F.: Synthesis and Characterization of Graft Copolymers Containing Poly(*p*-phenylene) Main Chains and Mesogen-Jacketed Liquid-Crystalline Polystyrene Side Chains, 2543C
Sun, M. See Li, J., 1084C; Xiao, X., 2410C; Xu, G., 4696C
—; Bo, Z.: Tuning the Optical Properties of Hyperbranched Polymers through the Modification of the End Groups, 111C
Sun, N.
—; Liu, J.; Dull, T.; Yee, A. F.: Nanovoid Relaxation in a Series of Copolyester Glasses Under Cyclic Loading Using Synchronous PALS, 1410P
Sun, S. S. See Zhang, C., 41C
Sun, W.-H. See Zuo, W., 3415C
Sun, X.-L. See Li, J., 5156C
Sun, Y. See Gao, J., 5380C; Wu, D., 3137P

Sundararajan, G. See Keren, E., 3599C
Sündermann, M. See Wiedmer, S. K., 2655P
Sung, T.-W. See Wu, T.-M., 4647C
Sungil, M. See Sawai, D., 2632P
Suresh, K. I.
—; Veniaminov, A.; Bartsch, E.: Tracer Diffusion Properties of Core–Shell Latex Films Studied by Photoinduced Grating Relaxation, 2823P
Suresh, P. S. See Jiang, Y., 5697C
Suvanto, S. See Turunen, J. P. J., 4002C
Suvorova, A. I. See Safronov, A. P., 2603P
Suzuki, M. See Kanazawa, A., 3851C; Takagi, K., 4786C
Suzuki, T. See Ishizone, T., 1260C
Suzuki, Y. See Qu, J., 5431C; Sasabe, H., 4154C; Sannomiya, A., 262P
Svyatyna, A. V. See Karabanova, L. V., 963P
Swier, S. See Lavorgna, M., 395P
Switek, K. A.
—; Chang, K.; Bates, F. S.; Hillmyer, M. A.: ABA Triblock Copolymers with a Ring-Opening Metathesis Polymerization/Macromolecular Chain-Transfer Agent Approach, 361C
Szablan, Z.
—; Huaming, M.; Adler, M.; Stenzel, M. H.; Davis, T. P.; Barner-Kowollik, C.: Depolymerization Kinetics of Di(4-*tert*-Butyl cyclohexyl) Itaconate and Mark-Houwink-Kuhn-Sakurada Parameters of Di(4-*tert*-Butyl cyclohexyl) Itaconate and Di-*n*-Butyl Itaconate, 1931C
Szadkowska, A. See Gstrein, X., 3494C
Szkurhan, A. R. See Dollin, M., 5487C
Szőllősi, L. See Nagy, M., 5149C

Tabei, J. See Yue, D., 1515C
Tagawa, S. See Akiyama, Y., 2031P
Takagi, K.
—; Kakiuchi, H.; Yuki, Y.; Suzuki, M.: Synthesis and Optical Properties of Fluorene-Based Polymers Incorporating Organosilicon Unit, 4786C
Takahashi, Y. See Li, Y., 2707P
Takai, M. See Ueda, M., 1578P
Takano, A.
—; Kawashima, W.; Wada, S.; Hayashida, K.; Sato, S.; Kawahara, S.; Isono, Y.; Makihara, M.; Tanaka, N.; Kawaguchi, D.; Matsushita, Y.: Composition Dependence of Nanophase-Separated Structures Formed by Star-Shaped Terpolymers of the $A_{1.0}B_{1.0}C_X$ Type, 2277P
Takano, S. See Ishizu, K., 1771C
Takata, T. See Liu, R., 1571C; Sasabe, H., 4154C; Seesukphronrarak, S., 3073C
Takeda, S.-I. See Akiyama, Y., 2031P
Takeichi, T. See Agag, T., 1878C; Gacal, B., 2774C
Takikawa, H. See Tsuji, H., 2167P
Talmon, Y. See Buhler, E., 103P
Tam, K. C. See Sinaga, A., 2646C
Tamada, M. See Sawai, D., 2632P
Tammaro, L. See Pucciariello, R., 945P
Tan, H. See Sun, J., 2594P
Tan, L.-S. See Jeon, I.-Y., 5112C
Tan, Q.-H. See Yang, Q., 3451C
Tan, Z. See Zhou, E., 629C
Tanaka, K. See Sato, N., 2855C
Tanaka, M.
—; Imai, S.; Tanii, T.; Numao, Y.; Shimamoto, N.; Ohdomari, I.; Nishide, H.: Nanometer-Sized Polyradical Particles: Organic Magnetic Dot Array Formed on a Silicon Microfabricated Substrate, 521C
Tanaka, N. See Takano, A., 2277P
Tande, B. M.
—; Wagner, N. J.; Kim, Y. H.: Poly(propylene imine) Dendrimers as Plasticizers for Polyvinyl Chloride, 1970P
Tang, B. Z. See Häußler, M., 4249C
Tang, D. See Guo, T.-Y., 5067C
Tang, H. See Zhu, Z., 830C
Tang, H. S. See Hermel-Davidock, T. J., 3338C
Tang, J. See Hua, D., 2847C; Tang, W., 2136P
Tang, T. See Li, S., 5459C; Shi, L., 4477C
Tang, W.
—; Kietzke, T.; Vemulamada, P.; Chen, Z.-K.: Synthesis, Characterization, and Photovoltaic Properties of Novel Conjugated Copolymers Derived from Phenothiazines, 5266C
—; Tang, J.; Yuan, H.; Jin, R.: The Compatibilization Effect of Ethylene/Styrene Interpolymer on Polystyrene/Polyethylene Blends, 2136P
Tang, X. See Peng, Q., 1632C
—; Gao, L.; Fan, X.; Zhou, Q.: ABA-Type Amphiphilic Triblock Copolymers Containing *p*-Ethoxy Azobenzene via Atom Transfer Radical Polymerization: Synthesis, Characterization, and Properties, 2225C
—; Gao, L.; Fan, X.; Zhou, Q.: Controlled Grafting of Ethyl Cellulose with Azobenzene-Containing Polymethacrylates via Atom Transfer Radical Polymerization, 1653C
—; Gao, L.; Fan, X.; Zhou, Q.: Effect of the Terminal Substituent of Azobenzene on the Properties of ABA Triblock Copolymers via Atom Transfer Radical Polymerization, 5190C
—; Gao, L.; Han, N.; Fan, X.; Zhou, Q.: Synthesis and Characterization of 4-Arm Star Side-Chain Liquid Crystalline Polymers Containing Azobenzene with Different Terminal Substituents via ATRP, 3342C
Tang, X.-G. See Shan, G.-F., 1217P
Tani, K. See Washizu, T., 3083C
Tanii, T. See Tanaka, M., 521C
Tanyeli, C. See Turkarslan, O., 4496C
Tao, H.
—; Zhang, J.; Wang, X.; Gao, J.: Phase Separation and Polymer Crystallization in a Poly(4-methyl-1-pentene)–Dioctylsebacate–Dimethylphthalate System via Thermally Induced Phase Separation, 153P
Tao, L. See Shangguan, Y., 1704P
Tao, Y.
—; Yan, F.; Zhang, L.: Fractionation and Characterization of a Protein–Polysaccharide Complex from *Pleurotus tuberregium* Sclerotia, 2546P
Tapia, M. J. See Rubio, F., 1788C

Tarasevich, K. V.
—; Kuchanov, S. I.: The Theory of Nonrandom Polycondensation for the Description of Sol–Gel Polymerization of Alkoxisilanes, 3093P
Tartsch, B. See Gallyamov, M. O., 2368P
Tasdelen, M. A. See Sangermano, M., 4914C
Tassaing, T. See Renault, B., 5649C
Taulelle, F. See Haouas, M., 3060P
Taylor, M. P.
—; Ichida, S.: Conformation of a Polymer Chain in Explicit Solvent: A Solvation Potential Approach, 3319P
Tejedor, J. L. See Rodríguez, J. G., 437C, 2038C
Tencé-Girault, S. See Roguet, E., 3046P
Teng, C.-C. See Yuen, S.-M., 3349C
Tenhu, H. See Wiedmer, S. K., 2655P
Terada, K. See Yue, D., 1515C
Teramoto, Y. See Lee, S.-H., 1114P
Tercjak, A. See Garcia, I., 925C, 4744C
Terrier, M.
—; Visseaux, M.; Chenal, T.; Mortreux, A.: Controlled *trans*-Stereospecific Polymerization of Isoprene with Lanthanide(III) Borohydride/Dialkylmagnesium Systems: The Improvement of the Activity and Selectivity, Kinetic Studies, and Mechanistic Aspects, 2400C
Terry, A. E. See Shavit-Hadar, L., 1535P
Tew, G. N. See Aamer, K. A., 1109C, 5618C; Shunmugam, R., 2601C
Tewari, P. See Gao, H., 2425C
Thakur, S.
—; Tillman, E. S.: Efficient Metal-Free Coupling of Polystyrene Chains Using Silane Radical Atom Abstraction, 3488C
Themistou, E.
—; Kanari, A.; Patrickios, C. S.: Thermolyzable Polymer Networks and Star Polymers Containing a Novel, Compact, Degradable Acylal-Based Dimethacrylate Cross-Linker: Synthesis, Characterization, and Thermolysis, 5811C
Thévenot, M. See Pialat, E., 2993P
Thijs, H. M. L. See Hoogenboom, R., 416C, 5371C
Thomann, R. See Guo, Q., 2614P
Thomas, A. G. See Kumar, P., 3169P
Thomas, S. See Francis, B., 2481P; Kumar, S. A., 2470P
Thompson, J. S. See Emmons, E. D., 358P
Thompson, M. R. See Motlagh, G. H., 1808P
Thompson, R. L. See Motong, N., 2187P
Thongyai, S. See Motong, N., 2187P
Thuaud, N. See Francis, B., 2481P
Tian, Y. See Chen, S., 873C
Tillman, E. S. See Thakur, S., 3488C
Titomanlio, G. See Sorrentino, A., 196P
Tjipto, E.
—; Quinn, J. F.; Caruso, F.: Layer-by-Layer Assembly of Weak-Strong Copolymer Polyelectrolytes: A Route to Morphological Control of Thin Films, 4341C
Tjong, S. C. See Zhang, R. H., 2674P
Togawa, E.
—; Kondo, T.: Unique Structural Characteristics of Nematic Ordered Cellulose—Stability in Water and Its Facile Transformation, 2850P
Tokuno, Y. See Ishizu, K., 1771C
Toman, Luděk See Janata, M., 4074C
Tonelli, A. E. See Martínez, G., 2503C; Paik, Y., 1271P; Vedula, J., 735P
Tong, Z. See Peng, Z., 3698C
Toppare, L. See Kiskan, B., 999C; Turkarslan, O., 4496C
Topping, C. M. See Zengin, H., 1860C
Toriumi, K. See Yamamoto, T., 548C
Torkelson, J. M. See Wong, C. L. H., 2842P
Torres, M. See Lowe, A. B., 5864C
Torriani, I. L. See Salgueiro, W., 2966P
Tredwell, M. See Kostov, G., 3843C
Treviño, M. E. See Ledezma, R., 1463C
Trigaud, T. See Pialat, E., 2993P
Trimmel, G. See Sandholzer, M., 1336C
Troev, K.
—; Tsatcheva, I.; Koseva, N.; Georgieva, R.; Gitsov, I.: Immobilization of Aminothiols on Poly(oxyethylene *H*-phosphonate)s and Poly(oxyethylene phosphate)s— An Approach to Polymeric Protective Agents for Radiotherapy of Cancer, 1349C
Tsai, C.-J. See Chen, S.-H., 136C
—; Yeh, K.-M.; Chen, Y.: Luminescent Copolyethers Containing Isolated 1,4-Distyrylbenzene Derivatives Backbone and 7-Oxy-4-Methylcoumarin Side Group: Synthesis and Characterization, 211C
Tsai, L.-R.
—; Chen, Y.: Hyperbranched Copolyfluorene from a 2,4,7-Trifunctional Fluorene Monomer, 5541C
—; Chen, Y.: Hyperbranched Luminescent Polyfluorenes Containing Aromatic Triazole Branching Units, 4465C
Tsami, A.
—; Yang, X.-H.; Galbrecht, F.; Farrell, T.; Li, H.; Adamczyk, S.; Heiderhoff, R.; Balk, L. J.; Neher, D.; Holder, E.: Random Fluorene Copolymers with On-Chain Quinoxaline Acceptor Units, 4773C
Tsatcheva, I. See Troev, K., 1349C
Tsubokawa, N. See Ueda, J., 1143C
Tsuchiya, Y. See Endo, K., 3872C
Tsugane, Y. See Sawai, D., 2632P
Tsuji, H.
—; Kawashima, Y.; Takikawa, H.: Poly(L-lactide)/C_{60} Nanocomposites: Effects of C_{60} on Crystallization of Poly(L-lactide), 2167P
Tsujii, K. See Chen, X., 4891C
Tsujii, Y. See Yoshikawa, C., 4795C
Tsunogae, Y. See Ban, H. T., 2765C
Tsurui, K. See Morisaki, Y., 866C
Tuan, C.-S. See Wu, W.-C., 67P
Tunca, U. See Altintas, O., 3588C; Gungor, E., 1055C

Turkarslan, O.
—; Ak, M.; Tanyeli, C.; Akhmedov, I. M.; Toppare, L.: Enhancing Electrochromic Properties of Conducting Polymers via Copolymerization: Copolymer of 1-(4-fluorophenyl)-2,5-di(thiophen-2-yl)-1*H*-Pyrrole with 3,4-Ethylene dioxythiophene, 4496C

Turunen, J. P. J.
—; Venäläinen, T.; Suvanto, S.; Pakkanen, T. T.: Novel Use of Mesoporous Aluminas as Supports for Cp_2ZrCl_2 and Cp^*ZrMe_3: Ethylene Polymerization and Formation of Polyethylene Nanofibers, 4002C

Tymichova, M. See Lukey, C. A., 1282C

Tynys, A.
—; Eilertsen, J. L.; Seppälä, J. V.; Rytter, E.: Propylene Polymerizations with a Binary Metallocene System—Chain Shuttling Caused by Trimethylaluminium Between Active Catalyst Centers, 1364C

Tyukova, I. S. See Safronov, A. P., 2603P

Uchida, S. See Ishizu, K., 4037C

Ueda, J.
—; Yamaguchi, H.; Yamauchi, T.; Tsubokawa, N.: Radical Graft Polymerization of Vinyl Monomers onto Nanoparticles in Ionic Liquid Initiated by Azo Groups Introduced onto the Surface, 1143C

Ueda, M. See Liu, J.-G., 5606C; Ogura, T., 661C
—; Hara, Y.; Sakai, T.; Yoshida, R.; Takai, M.; Ito, Y.: Characterization of a Self-Oscillating Polymer with Periodic Soluble-Insoluble Changes, 1578P

Uenishi, K. See Sudo, A., 3798C
—; Morikawa, H.; Sudo, A.; Endo, T.: Cascade Chemical Transformation of Five-Membered Cyclic Dithiocarbonate in a Networked Polysiloxane Layer on a Silicate Surface, 1170C

Ukawa, J.
—; Kawahara, S.; Sakai, J.: Structural Characterization of Vulcanized Natural Rubber by Latex State ^{13}C NMR Spectroscopy, 1003P

Ullrich, G. See Heller, C., 3280C

Umeyama, T. See Nakahashi, A., 3580C

Ungar, G. See Martínez-Palau, M., 2640P

Ungurenasu, C.
—; Pinteala, M.: Syntheses and Characterization of Water-Soluble C_{60}–Curdlan Sulfates for Biological Applications, 3124C

Urbani, C. N. See Lonsdale, D. E., 3620C

Urbina, B. A. P. See Ortiz, R. A., 4829C

Urushisaki, M. See Namikoshi, T., 4389C, 4855C

Utracki, L. A.
—; Pressure–Volume–Temperature of Molten and Glassy Polymers, 270P

Vacha, M. See Washizu, T., 3083C

Vaia, R. A. See Krishnamoorti, R., 3252C, 3252P

Vairon, J.-P. See Khokhlov, A., 3503C

Valdez, A. E. G. See Ortiz, R. A., 4829C

Valdez, L. V. C. See Ortiz, R. A., 4829C

Valencia, J.
—; Piérola, I. F.: Interpretation of the Polyelectrolyte and Antipolyelectrolyte Effects of Poly(*N*-vinylimidazole-*co*-sodium styrenesulfonate) Hydrogels, 1683P

Valentín, J. L.
—; Fernández-Torres, A.; Posadas, P.; Marcos-Fernández, A.; Rodríguez, A.; González, L.: Measurements of Freezing-Point Depression to Evaluate Rubber Network Structure. Crosslinking of Natural Rubber with Dicumyl Peroxide, 544P

Valente, A. J. M. See Rubio, F., 1788C

Vallés, E. M. See Ciolino, A. E., 2726C

van Beylen, M. See Franta, E., 2576C

van Hest, J. C. M. See Opsteen, J. A., 2913C

van Lagen, B. See Huijbrechts, A. A. M. L., 2734C

van Lankvelt, B. M. See Hoogenboom, R., 416C

Van Mele, B. See Miltner, H. E., 1291P

Vana, P. See Buback, M., 2453C

Vanjinathan, M.
—; Raghavan, A.; Nasar, A. S.: Hyperbranched Poly(Ether–Urea)s Using AB_2-Type Blocked Isocyanate Monomer and Azide Monomer: Synthesis, Characterization, Reactive End Functionalization, and Copolymerization with AB Monomer, 2959C
—; Shanavas, A.; Raghavan, A.; Nasar, A. S.: Synthesis and Properties of Hyperbranched Polyurethanes, Hyperbranched Polyurethane Copolymers With and Without Ether and Ester Groups Using Blocked Isocyanate Monomers, 3877C

Vasanthan, N.
—; Effect of the Microstructure on the Dye Diffusion and Mechanical Properties of Polyamide-6 Fibers, 349P
—; Yaman, M.: Crystallization Studies of Poly(trimethylene terephthalate) Using Thermal Analysis and Far-Infrared Spectroscopy, 1675P

Vázquez-Torres, H. See Avila-Ortega, A., 1993C

Vedhi, C. See Manisankar, P., 2787C

Vedula, J.
—; Tonelli, A. E.: Reorganization of Poly(ethylene terephthalate) Structures and Conformations to Alter Properties, 735P

Vega, D. A.
—; Milner, S. T.: Shear Damping Function Measurements for Branched Polymers, 3117P

Veld, M. A. J.
—; Palmans, A. R. A.; Meijer, E. W.: Selective Polymerization of Functional Monomers with Novozym 435, 5968C

Velilla, T.
—; Delgado, K.; Quijada, R.; Bianchini, D.; Galland, G. B.; Dos Santos, J. H. Z.; Fasce, D. P.; Williams, Roberto J. J.: New Architecture of Supported Metallocene Catalysts for Alkene Polymerization, 5480C

Vemulamada, P. See Tang, W., 5266C

Venäläinen, T. See Turunen, Jani P. J., 4002C

Veniaminov, A. See Suresh, K. I., 2823P
Venkataraman, S. See Zhang, D., 2569C
—; Wooley, K. L.: Synthesis and Characterization of Block Copolymers Containing Poly(di(ethylene glycol) 2-ethylhexyl ether acrylate) by Reversible Addition–Fragmentation Chain Transfer Polymerization, 5420C
Verdier, C.
—; Ravilly, G.: Peeling of Polydimethylsiloxane Adhesives: The Case of Adhesive Failure, 2113P
Verghese, N. See Boo, W. J., 1459P
Verma, S. See Garkhal, K., 2755C
Vermogen, A. See Masenelli-Varlot, K., 1243P
Verploegen, E.
—; Boone, Jr., D.; Hammond, P. T.: Morphology of Side Chain Liquid Crystalline Block Copolymer Thin Films and Effects of Thermal Annealing, 3263P
Vestberg, R. See Lohse, B., 4401C
—; Malkoch, M.; Kade, M.; Wu, P.; Fokin, V. V.; Sharpless, K. B.; Drockenmuller, E.; Hawker, C. J.: Role of Architecture and Molecular Weight in the Formation of Tailor-Made Ultrathin Multilayers Using Dendritic Macromolecules and Click Chemistry, 2835C
Viale, S. See Sisbandini, C., 666P
Vicente, M. S.
—; Gottifredi, J. C.; de la Campa, J. G.; Lozano, A. E.; de Abajo, J.: Water Vapor Sorption and Diffusion in Sulfonated Aromatic Polyamides, 2007P
Viciosa, M. T.
—; Rodrigues, C.; Fernández, S.; Matos, I.; Marques, M. M.; Duarte, M. Teresa; Mano, J. F.; Dionísio, M.: Dielectric and Thermal Characterization of Low Density Ethylene/10-undecen-1-ol Copolymers Prepared with Nickel Catalysts, 2802P
Vidéki, B.
—; Klébert, S.; Pukánszky, B.: External and Internal Plasticization of Cellulose Acetate with Caprolactone: Structure and Properties, 873P
Vidotti, S. E.
—; Chinellato, A. C.; Hu, G.-H.; Pessan, L. A.: Preparation of Poly(ethylene terephthalate)/Organoclay Nanocomposites Using a Polyester Ionomer as a Compatibilizer, 3084P
Vidović, E.
—; Klee, D.; Höcker, H.: Synthesis and Characterization of Poly(vinyl alcohol)-*graft*-[poly(D,L-lactide)/poly(D,L-lactide-*co*-glycolide)] Hydrogels, 4536C
Vigier, G. See Masenelli-Varlot, K., 1243P
Villani, V. See Pucciariello, R., 936P, 945P
Villar-Rodil, S. See Martínez, G., 2503C
Villar, M. A. See Ciolino, A. E., 2726C
Villarreal, N. See Cárdenas, M. A., 2432P
Visseaux, M. See Terrier, M., 2400C
Visser, G. M. See Huijbrechts, A. A. M. L., 2734C
Vittoria, V. See Gorrasi, G., 597P; Pucciariello, R., 936P, 945P
Vivek, A. V.
—; Dhamodharan, R.: Grafting of Methacrylates and Styrene on to Polystyrene Backbone via a "Grafting from" ATRP Process at Ambient Temperature, 3818C
Viville, P. See Miltner, H. E., 1291P
Vladimirov, N. G. See Berlinova, I. V., 4720C; Gitsov, I., 5136C
Vlček, P. See Janata, M., 4074C
Vogel, E. B. See Jiang, X., 5227C
Voice, A. See Hakme, C., 1950P
Voit, B. See Radhakrishnan, N., 5636C
Vollenweider, L. See D'Angelo, J. G., 2328C
Voyiatzis, G. A. See Chourdakis, N., 2509P
Vradis, A. A. See Koutsioubas, A. G., 2060P
Výprachtický, D. See Mikroyannidis, J. A., 809C

Wada, J. See Qu, J., 5431C
Wada, S. See Takano, A., 2277P
Wagner, N. J. See Tande, B. M., 1970P
Waigh, T. A. See Cola, E. D., 774P
Walter, M. See Radhakrishnan, N., 5636C
Wan, J.-H. See Wang, H.-Y., 1066C
Wan, L. See Xu, J., 5932C
Wan, X. See Ge, Z., 1432C; Zhu, Z., 830C
—; Zhu, X.; Zhu, J.; Zhang, Z.; Cheng, Z.: Synthesis of Dithiocarbamate Bearing Azobenzene Group and Use for RAFT Polymerization of Vinyl Monomers, 2886C
Wang, C. See Gao, L.-C., 5949C; Wang, F., 4552C; Yang, L. Y., 4291C; Zhang, L., 2617C
Wang, C. Y. See Cheng, L., 1525C
Wang, D. See Cai, Z.-Q., 3922C; Ge, Z., 1432C; ; Hao, C., 1589P; Peng, Z., 3698C
—; Gao, H.; Jiang, W.; Jiang, Z.: Effect of Supercritical Carbon Dioxide on the Crystallization Behavior of Poly(ether ether ketone), 2927P
—; Gao, H.; Jiang, W.; Jiang, Z.: Microcellular Processing and Relaxation of Poly(ether ether ketone), 2890P
—; Jiang, W.; Gao, H.; Jiang, Z.: Preparation, Characterization, and Mechanical Properties of Microcellular Poly(aryl ether ketone) Foams, 173P
Wang, E.
—; Li, C.; Peng, J.; Cao, Y.: High-Efficiency Blue Light-Emitting Polymers Based on 3,6-Silafluorene and 2,7-Silafluorene, 4941C
Wang, F. See Liu, Z., 756C; Luo, J., 1424C; Peng, Q., 5296C
—; Hu, J.; Yang, W.; Wang, C.: Tailored Surface Properties of Monodispersed Polymer Particles with PCL Hairy Chains Synthesized by Hydroxyl-Initiated Ring-Opening Polymerization, 4552C
Wang, G. See Pang, X., 5824C; Zhong, H., 1542P
Wang, G. Y. See Su, T., 5005C
Wang, H. See Li, W., 3550C; Wei, J., 576C
—; Badami, A. S.; Roy, A.; McGrath, J. E.: Multiblock Copolymers of Poly(2,5-benzophenone) and Disulfonated Poly(arylene ether sulfone) for Proton-Exchange Membranes. I.

Synthesis and Characterization, 284C
—; Jost, R.; Wudl, F.: Facile Synthesis of Conjugated Rod-Coil Block Copolymers, 800C
Wang, H.-Y. See Pu, K.-Y., 3776C
—; Wan, J.-H.; Jiang, H.-J.; Wen, G.-A.; Feng, J.-C.; Zhang, Z.-J.; Peng, B.; Huang, W.; Wei, W.: Synthesis and Characterization of Cross-Shaped p–n Diblock Oligomers, 1066C
Wang, J. See Li, G., 2497P; Sha, K., 5037C; Xu, H., 5308C; Zhang, Z., 500C
—; Zhu, X.; Cheng, Z.; Zhang, Z.; Zhu, J.: Preparation, Characterization, and Chiral Recognition of Optically Active Polymers Containing Pendent Chiral Units via Reversible Addition-Fragmentation Chain Transfer Polymerization, 3788C
Wang, J.-C.
—; Chen, Y.-H.; Chen, R.-J.: Preparation of Thermosetting Polyurethane Nanocomposites by Montmorillonite Modified with a Novel Intercalation Agent, 519P
Wang, K.-L. See Liaw, D.-J., 2367C, 3022C
Wang, L. See Ding, T., 2700P; Huo, J., 2880P; Liu, Z., 756C; Mei, C., 1746C; Yang, Q., 3451C
Wang, L.-H. See Lu, J.-M., 3894C; Wen, G.-A., 388C
Wang, M. See He, X., 933C; Yang, G.-Z., 976P
Wang, P. See Ding, T., 2700P; Peng, Q., 5296C
Wang, Q. See Luo, J., 1424C; Xie, B., 5123C; Zhang, L., 2617C
Wang, R. See Gao, J., 3098C; Lowe, A. B., 5864C; Xu, X., 99C
—; Lowe, A. B.: RAFT Polymerization of Styrenic-Based Phosphonium Monomers and a New Family of Well-Defined Statistical and Block Polyampholytes, 2468C
Wang, S. See Ding, Y., 1252P; Lee, S.-H., 1114P; Zhou, Z., 1616P; He, J., 4144C; Li, C., 1403C; Sha, K., 5037C
—; Cheng, Z.; Zhu, J.; Zhang, Z.; Zhu, X.: Synthesis of Amphiphilic and Thermosensitive Graft Copolymers with Fluorescence P(St-*co*-(p-CMS))-*g*-PNIPAAM by Combination of NMP and RAFT Methods, 5318C
Wang, S. J. See Xu, H.-S., 1205P; Xu, J., 262C
Wang, S. S. See Lin, Y. H., 3231C
Wang, T. See Chen, W., 1821P
Wang, W. See Deng, C., 3218C; Illingsworth, M. L., 1641C; Ping, P., 557P; Yang, G.-Z., 976P
Wang, W.-Z. See Zhao, P., 242C
Wang, X. See Ao, Y., 374C; Cao, N., 5800C; He, J., 4144C; Luo, J., 1424C; Yu, F., 4013C; Zhang, L., 2617C; Tao, H., 153P
—; He, J.; Yang, Y.: Synthesis of ABCD-Type Miktoarm Star Copolymers and Transformation into Zwitterionic Star Copolymers, 4818C
Wang, X. C.
—; Zheng, Q.; Yang, G. S.: Influence of Preparation Methods on Structure and Properties of PA6/PA66 Blends: A Comparison of Melt-Mixing and *In Situ* Blending, 1176P
Wang, X.-S. See Fujita, Y., 5365C
Wang, Y. See He, J., 4144C; Li, S., 5459C; Xie, Z., 1737C; Yin, W., 1754P
—; Zhang, L.: Steered Molecular Dynamics Simulation of Elastic Behavior of Adsorbed Single Polyethylene Chains, 2322P
Wang, Y.-Z.
—; Chen, W.-Y.; Yang, C.-C,; Lin, C.-L.; Chang, F.-C.: Novel Epoxy Nanocomposite of Low D_k Introduced Fluorine-Containing POSS Structure , 502P
Wang, Z. See Fang, F., 2563P; Li, Y., 222C; Luo, Y., 2304C; Yan, J., 4933C
Ward, I. M. See de Oca, H. M., 892P
Warlaumont, J. See Lin, Q., 1482P
Warner, J. C. See Bianchini, J. R., 1296C
Warner, S. See D'Angelo, J. G., 2328C
Washington, R. P. See Campbell, T. D., 2593C
Washizu, T.
—; Pei, Y.; Ha, J.; Vacha, M.; Tani, K.; Ogino, K.; Sato, H.: Preparation of Polymers Having Hole and Electron Transport Units by Friedel–Crafts Reaction, 3083C
Watanabe, M. See Miyatake, K., 157C
Waymouth, R. M. See Benson, S., 3637C
Webb, S. P. See Sonnenschein, M. F., 989C
Wedel, A. See Yang, L. Y., 4291C
Wei, H.
—; Senyurt, A. F.; Jönsson, S.; Hoyle, C. E.: Photopolymerization of Ternary Thiol–Ene/Acrylate Systems: Film and Network Properties, 822C
Wei, J.
—; Wang, H.; Yin, J.: Novel Polymeric, Thio-Containing Photoinitiator Comprising In-Chain Benzophenone and an Amine Coinitiator for Photopolymerization, 576C
Wei, P. See Zhong, H., 1542P
Wei, Q. See Nie, G., 3929C
Wei, W. See Pu, K.-Y., 3776C; Wang, H.-Y., 1066C; Wen, G.-A., 388C
Weiss, R. A. See Lavorgna, M., 395P
Wen, G.-A. See Wang, H.-Y., 1066C
—; Zhu, X.-R.; Wang, L.-H.; Feng, J.-C.; Zhu, R.; Wei, W.; Peng, B.; Pei, Q.-B.; Huang, W.: Synthesis and Characterization of a Main-Chain-Type Conjugated Copolymer Containing Rare Earth with Photocrosslinkable Group, 388C
Wendt, B. L. See Sonnenschein, M. F., 989C
Weng, L. See Liang, S., 1187P
Wesdemiotis, C. See Wyzgoski, F. J., 2161C
Wezenberg, S. J. See Metselaar, G. A., 981C
Whitcomb, J. D. See Jiang, H., 1435P
White, T. J.
—; Liechty, W. B.; Guymon, C. A.: The Influence of *N*-Vinyl Pyrrolidone on Polymerization Kinetics and Thermo-Mechanical Properties of Crosslinked Acrylate Polymers, 4062C
Whitehouse, R. S. See Qian, J., 1564P
Whitney, R. See Osti, M., 69C
Whittaker, A. K. See Goh, Y.-K., 4150C

Whittaker, M. See Gemici, H., 2334C; Kiani, K., 1074C
Whittaker, M. R. See Lonsdale, D. E., 3620C
Wicks, D. A. See Li, Q., 5103C
Widjaja, E. See Jiang, Y., 5697C
Wiedmer, S. K.
—; Andersson, T.; Sündermann, M.; Riekkola, M.-L.; Tenhu, H.: Cationic Poly(methacryl oxyethyl trimethylammonium) and Its Poly(ethylene glycol)-Grafted Analogue as Capillary Coating Materials in Electrophoresis, 2655P
Wiesner, U. See Chung, Y.-W., 4988C
Wild, A. See Egbe, D. A. M., 1619C
Willet, N. See Bryaskova, R., 81C, 2532C
Williams, R. J. J. See Velilla, T., 5480C
Williams, S. R.
—; Mather, B. D.; Miller, K. M.; Long, T. E.: Novel Michael Addition Networks Containing Urethane Hydrogen Bonding, 4118C
Windmöller, D. See Machado, J. C., 2400P
Winnik, M. A. See Felorzabihi, N., 2333P
Wong, C. L. H.
—; Kim, J.; Torkelson, J. M.: Breadth of Glass Transition Temperature in Styrene/Acrylic Acid Block, Random, and Gradient Copolymers: Unusual Sequence Distribution Effects, 2842P
Wong, C. P. See Li, Y., 181C
Wong, J. S.
—; Granick, S.: Open Questions about Polymer Friction, 3237P
Wong, S.-S.
—; Altinkaya, S. A.; Mallapragada, S. K.: Crystallization of Poly(vinyl alcohol) During Solvent Removal: Infrared Characterization and Mathematical Modeling, 930P
Woo, E. M. See Chiang, W.-J., 2899P
—; Juang, Y.-T.: Immiscibility, Upper Critical Solution Temperature, and Miscibility in Blends of Poly(vinyl ether)s with Polyacrylics: Effects of Pendant Groups, 1521P
Woo, J. Y.
—; Kim, E. H.; Kim, B. K.: Dual Effects of Fullerene Doped to Holographic Polymer Dispersed Liquid Crystals, 5590C
Woo Kim, Y. See Ju Lee, K., 2232P
Wooley, K. L. See Germack, D. S., 4100C; Venkataraman, S., 5420C; Zhang, D., 2569C
Wu, C. See Shen, F., 41P; Yuan, X., 571P; Zhang, X., 59C
Wu, C.-S. See Liu, Y.-L., 949C
Wu, D. See Zhong, H., 1542P
—; Wu, L.; Sun, Y.; Zhang, M.: Rheological Properties and Crystallization Behavior of Multi-Walled Carbon Nanotube/Poly(ε-caprolactone) Composites, 3137P
—; Wu, L.; Wu, L.; Xu, B.; Zhang, Y.; Zhang, M.: Nonisothermal Cold Crystallization Behavior and Kinetics of Polylactide/Clay Nanocomposites, 1100P
—; Wu, L.; Zhang, M.: Rheology of Multi-Walled Carbon Nanotube/Poly(butylene terephthalate) Composites, 2239P
—; Zhou, C.; Zhang, M.: Rheology of Isothermally Crystallized Poly(butylene terephthalate) Nanocomposites with Clay Loadings under the Percolation Threshold, 229P
Wu, F.-I. See Chien, C.-H., 2073C
Wu, G. See Li, Y., 3053C; Yuan, X., 571P
Wu, H. See Liu, Y., 2152C
Wu, J. See Chen, H., 1418P; Yung, K. C., 1662P
Wu, L. See Cheng, X., 3431C; Qiao, X., 1028C; Fang, H., 208P; Wu, D., 1100P, 2239P, 3137P
Wu, L. H. See Jansen, M. A. G., 882C
Wu, L.-M. See Zou, Q.-C., 2015P
Wu, M.-S. See Chang, C.-J., 1152P
Wu, P. See Vestberg, R., 2835C
Wu, Q. See He, X., 4733C
Wu, T.-M. See Hsu, S.-F., 995P
—; Yen, S.-J.; Chen, E.-C.; Sung, T.-W.; Chiang, R.-K.: Conducting and Magnetic Behaviors of Monodispersed Iron Oxide/Polypyrrole Nanocomposites Synthesized by *In Situ* Chemical Oxidative Polymerization, 4647C
Wu, W.-C.
—; Lee, W.-Y.; Pai, C.-L.; Chen, W.-C.; Tuan, C.-S.; Lin, J.-L.: Photophysical and Electroluminescent Properties of Fluorene-Based Binary and Ternary Donor–Acceptor Polymer Blends, 67P
Wu, W.-I. See Lin, Q., 1482P
Wu, X.-J. See Zou, T., 5256C
Wu, Y. See Li, Y., 3053C
Wu, Y.-C. See Yang, S.-H., 3440C
Wudl, F. See Wang, H., 800C
Wunderlich, B. See Qiu, W., 475P
Wyzgoski, F. J.
—; Polce, M. J.; Wesdemiotis, C.; Arnould, M. A.: Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry Investigations of Polystyrene and Poly(methyl methacrylate) Produced by Monoacylphosphine Oxide Photoinitiation, 2161C

Xia, X.-W. See Lu, J.-M., 3894C
Xiang, W.-D. See Yang, Q., 3451C
Xiao, F. See Li, Y., 181C
Xiao, L. See Liu, Y., 4867C
Xiao, X.
—; Fu, Y.; Sun, M.; Li, L.; Bo, Z.: Synthesis and Characterization of Conjugated Triblock Copolymers, 2410C
Xiaoli, Z. See Qinghua, Z., 1585C
Xie, B.
—; Bagui, M.; Guo, R.; Li, K.; Wang, Q.; Peng, Z.: Water-Soluble Conjugated Polymers: Synthesis and Optical Properties, 5123C
Xie, B.-H. See Shan, G.-F., 1217P; Zou, X.-X., 2948P
Xie, C. S. See Yung, K. C., 1662P
Xie, J. See Yang, P., 745C
Xie, M. See Han, H., 3986C
Xie, T. See Chang, S., 2023P
Xie, X. See Xu, Y., 420P
Xie, X.-L.
—; Yu, Z.-Z.; Zhang, Q.-X.; Zheng, G.-W.; Mai, Y.-W.: Synergistic Effect of SEBS-*g*-MA and Epoxy on Toughening of Polyamide 6/Glass Fiber Composites, 1448P
Xie, Z. See Zhang, Y.-F., 590P; Hu, X., 5518C; Lu, C., 3204C; Mei, C., 1746C
—; Lu, C.; Chen, X.; Chen, L.; Wang, Y.; Hu, X.; Shi, Q.; Jing, X.: Synthesis and Characterization of Novel Poly(ester carbonate)s Based on Pentaerythritol, 1737C

Xing, W. See Li, Y., 222C
Xiong, D. See Jiang, X., 2812C
Xiong, R. See Ding, Y., 1252P
Xu, B. See Wu, D., 1100P
Xu, D. See Hao, C., 1589P
Xu, G. See Chen, G., 654P
—; Han, Y.; Sun, M.; Bo, Z.; Chen, C.: Synthesis and Characterization of Star Polyfluorenes with a C60 Core, 4696C
Xu, H. See Cui, L., 5285C
—; Chen, K.; Guo, X.; Fang, J.; Yin, J.: Synthesis of Hyperbranched Polybenzimidazoles via A_2+B_3 Approach, 1150C
—; Yang, B.; Wang, J.; Guang, S.; Li, C.: Preparation, T_g Improvement, and Thermal Stability Enhancement Mechanism of Soluble Poly(methyl methacrylate) Nanocomposites by Incorporating Octavinyl Polyhedral Oligomeric Silsesquioxanes, 5308C
Xu, H.-S.
—; Li, Z.-M.; Wang, S.-J.; Yang, M.-B.: Rheological Behavior of PET/HDPE *In Situ* Microfibrillar Blends: Influence of Microfibrils' Flexibility, 1205P
Xu, J. See Ao, Y., 374C; Cai, Z.-Q., 727C; Li, C., 1403C; Liu, H., 1446C; Liang, S., 1187P; Xu, Y., 420P
—; Meng, Y. Z.; Wang, S. J.; Hay, A. S.: Synthesis and Properties of Novel Poly(arylene ether)s and Poly(arylene thioether)s Based on a Pyridazine Biphenol or a Phthalazine Biphenol, 262C
—; Wan, L.; Li, Y.; Liu, H.; Pu, S.; Shen, L.: Low Potential Electrochemical Polymerization of Diphenyl Ether and Characterization of Its Polymers, 5932C
Xu, N.
—; Du, F.-S.; Li, Z.-C.: Synthesis of Poly(L-lysine)-*graft*-Polyesters through Michael Addition and Their Self-Assemblies in Aqueous Solutions, 1889C
Xu, Q.-F. See Lu, J.-M., 3894C
Xu, S. See Liu, Y., 4867C
—; Jia, J.; Huang, J.: Synthesis of Double Silylene-Bridged Binuclear Zirconium Complexes and their Use as Catalysts for Olefin Polymerization, 4901C
Xu, T. H. See Jin, M., 3460C
Xu, X. See Li, Y., 3053C; Zhang, S., 768C
—; Wang, R.; Ling, L.; Burgess, J. O.: Synthesis and Stability Study of Dental Monomers Containing Methacrylamidoethyl Phosphonic Acids, 99C
Xu, Y. See Hao, C., 1589P; Zhang, S., 768C
—; Xu, J.; Guo, B.; Xie, X.: Crystallization Kinetics and Morphology of Biodegradable Poly(butylene succinate-*co*-propylene succinate)s, 420P
Xu, Z. See Cheng, L., 1525C; Zhang, Y., 3303C, 3994C
Xurong, L. See Jiaming, Z., 4082C
—; Yin, S.; Lei, B.; Lu, Y.; Chang, W.; Li, J.: 1,3-Dichlorotetra-*n*-Butyldistannoxane as a Novel ATRP Initiator: Property, Catalysis Ability, and Mechanism, 942C

Yacamán, M. J. See López-Martínez, E. I., 511P
Yagci, Y. See Cianga, I., 848C; Gacal, B., 2774C; Kiskan, B., 999C, 1670C; Demirel, L. A., 2091C; Sangermano, M., 4914C
Yağcii, Y. See Durmaz, Y. Y., 423C
Yahiro, M. See Mikroyannidis, J. A., 4661C
Yakushev, P. N. See Karabanova, L. V., 963P
Yañez, M. J. See Penoff, M. E., 2781P
Yamada, B. See McHale, R., 4394C
Yamada, K. See Machida, S., 368P
Yamaguchi, H. See Ueda, J., 1143C
Yamaguchi, I. See Sato, M., 2998C
—; Gobara, Y.; Sato, M.: π-Conjugated Polymers Having Diaza[12]annulene Rings and Aminopenta-2,4-dienylidene Groups Generated by the Ring Opening of Pyridinium Rings, 1507C
Yamaguchi, Y. See Cui, L., 5285C
Yamamoto, T.
—; Iijima, T.; Ozawa, Y.; Toriumi, K.; Kubota, K.; Sasaki, S.: Poly(*p*-phenylene)-Type Polymer Composed of an (*R*,*R*)-C_2-Symmetric Chiral Recurring Unit: Solution Behavior, Packing Structure, and Large Circular Dichroism Observed with a Film of the Polymer, 548C
Yaman, M. See Vasanthan, N., 1675P
Yamane, H. See Furuhashi, Y., 218P
Yamasaki, S.
—; Nishiguchi, D.; Kojio, K.; Furukawa, M.: Effects of Polymerization Method on Structure and Properties of Thermoplastic Polyurethanes, 800P
Yamashita, M.
—; Hoshino, A.; Kato, M.: Isotactic Poly(butene-1) Trigonal Crystal Growth in the Melt, 684P
Yamauchi, T. See Ueda, J., 1143C
Yamazaki, S. See Sato, N., 2855C
Yan, B. See He, J., 4144C
Yan, C.-L.
—; Lu, Y.; Gao, S.-Y.: Coating Lysozyme Molecularly Imprinted Thin Films on the Surface of Microspheres in Aqueous Solutions, 1911C
Yan, D. See Li, W., 3550C
Yan, F. See Tao, Y., 2546P
Yan, J.
—; Li, T.; Wang, Z.; Gao, L.; Ding, M.: Hydrazine-Based Polyimides from Isomeric Bis(chlorophthalimide)s, 4933C
Yan, L. See Peng, Q., 5296C
Yan, W. See Liu, B., 3391C
Yanagi, K. See Hanaoka, H., 3668C
Yang, B. See Xu, H., 5308C
Yang, C. See Zhou, E., 629C
Yang, C.-C. See Wang, Y.-Z., 502P
Yang, D. See Chen, J., 3011P; Song, R., 138P
Yang, G. See Chang, S., 2023P
Yang, G. S. See Wang, X. C., 1176P
Yang, G.-Z.
—; Chen, X.; Wang, W.; Wang, M.; Liu, T.; Li, C.-Z.: Nonisothermal Crystallization and Melting Behavior of a Luminescent Conjugated Polymer, Poly(9,9-dihexylfluorene-*alt*-*co*-2,5-didecyloxy-1,4-phenylene), 976P

Yang, H. See Lastella, S., 758P
—; Bhimaraj, P.; Yang, L.; Siegel, R. W.; Schadler, L. S.: Crystal Growth in Alumina/Poly(ethylene terephthalate) Nanocomposite Films, 747P
—; Joo Shin, T.; Bao, Z.; Ryu, C. Y.: Structural Transitions of Nanocrystalline Domains in Regioregular Poly(3-Hexyl thiophene) Thin Films, 1303P
Yang, J. See Li, Y., 4300C
Yang, K. See Illingsworth, M. L., 1641C
Yang, L. See Chen, J.-T., 2912P; Yang, H., 747P
Yang, L. Y.
—; Wang, C.; Li, L. Q.; Janietz, S.; Wedel, A.; Hua, Y. L.; Yin, S. G.: Synthesis and Characterization of Novel Poly(*p*-Phenylenevinylene) Derivatives Containing Phenothiazine-5-Oxide and Phenothiazine-5,5-Dioxide Moieties, 4291C
Yang, M.-B. See Shan, G.-F., 1217P; Xu, H.-S., 1205P; Zou, X.-X., 2948P
Yang, P.
—; Xie, J.; Yuan, J.; Zhang, L.; Liu, W.; Yang, W.: Covalently Attached Graft Polymer Monolayer on Organic Polymeric Substrate via Confined Surface Inhibition Reaction, 745C
Yang, P.-C. See Liu, J.-H., 2026C
Yang, Q. See Huo, J., 2880P
—; Wang, L.; Xiang, W.-D.; Zhou, J.-F.; Tan, Q.-H.: Preparation of Polymer-Grafted Carbon Black Nanoparticles by Surface-Initiated Atom Transfer Radical Polymerization, 3451C
Yang, Q. X. See Jin, M., 3460C
Yang, S.-H.
—; Chen, S.-Y.; Wu, Y.-C.; Hsu, C.-S.: Synthesis and Opto-Electrical Properties of Dendron-Containing Poly(2,3-diphenyl-1,4-phenylenevinylene) Derivatives, 3440C
Yang, W. See Fang, F., 2563P; Shan, G.-F., 1217P; Zou, X.-X., 2948P; Rao, X., 4844C; Wang, F., 4552C; Yang, P., 745C; Zhang, Z., 500C
Yang, X.-H. See Tsami, A., 4773C
Yang, Y. See Ao, Y., 374C; Wang, X., 4818C; Yu, F., 4013C; Zhang, J., 5329C
—; Zhang, J.; Liu, L.; Li, C.; Zhao, H.: Synthesis of PS and PDMAEMA Mixed Polymer Brushes on the Surface of Layered Silicate and Their Application in Pickering Suspension Polymerization, 5759C
Yang, Y.-L. See Liou, G.-S., 48C, 3292C, 4921C
Yang, Z. See Liu, J., 699C
Yankul, B. See Altintas, O., 3588C
Yano, S. See Obata, M., 2876C
Yao, B. See Mei, C., 1746C
Yao, G. See Song, R., 138P
Yao, Y. See Sheng, H., 1210C
Yashiki, D. See Ishizone, T., 1260C
Yasuda, T. See Miyatake, K., 157C
Ye, J. See Jiu, T., 911C
Ye, S.-R. See Shyr, T.-W., 405P
Yee, A. F. See Sun, N., 1410P
Yee-Chan, C. K.
—; Scogna, R. C.; Register, R. A.: Elevation of the Glass Transition Temperature in Flexible-Chain Semicrystalline Polymers, 1198P
Yeh, K.-M. See Su, W.-F., 4377C; Tsai, C.-J., 211C
—; Chen, Y.: Vinyl Copolymers Containing Pendant 1,3,4-Oxadiazole Chromophores: Preparation and Electrochemical and Electroluminescent Properties, 2259C
Yei, D.-R.
—; Fu, H.-K.; Chang, Y.-H.; Kuo, S.-W.; Huang, J.-M.; Chang, F.-C.: Thermal Properties of Polystyrene Nanocomposites Formed from Rigid Intercalation Agent-Treated Montmorillonite, 1781P
Yen, H.-J. See Liou, G.-S., 4352C
Yen, S.-J. See Wu, T.-M., 4647C
Yi, H. See Kulasi, A., 5957C
Yi, Y. See Gao, L.-C., 5949C
Yilmaz, G. See Durmaz, Y. Y., 423C
Yilmaz, L. See Gülmüs, S. A., 3025P
Yin, H.
—; Zheng, H.; Lu, L.; Liu, P.; Cai, Y.: Highly Efficient and Well-Controlled Ambient Temperature RAFT Polymerization of Glycidyl Methacrylate Under Visible Light Radiation, 5091C
Yin, J. See Ge, Z., 1432C; Liu, H., 1446C; Wei, J., 576C; Xu, H., 1150C
Yin, S. See Xu, Z., 942C
Yin, S. G. See Yang, L. Y., 4291C
Yin, W.
—; Jiang, L.; Wang, Y.; Huang, X.: Erratum: Tb(III)-Modified Properties of Thermosensitive Core–Shell Microspheres, 1754P
Yin, Y. See Chen, S., 2797C
Ying, L. See Cheng, L., 1525C
Ying, S. See Qinghua, Z., 1585C
Yokota, R. See Rao, X., 4844C
Yokoyama, A. See Kim, S., 3129C
Yokozawa, T. See Kim, S., 3129C
Yoon, D. Y. See Liu, B., 3391C
Yoon, J.-S. See Shim, J. H., 607P
Yoon, S. H. See Lee, J. K., 1771P
Yoonessi, M.
—; Bai, Z.; Dang, T. D.: Nanostructure and Properties of Sulfonated Polyarylenethioethersulfone Copolymers as Proton Exchange Fuel Cell Membranes, 2813P
Yoshida, H. See Boyer, S. A. E., 1354P
Yoshida, I. V. P. See José, N. M., 299P
Yoshida, M. See Asano, M., 2624C
Yoshida, R. See Ueda, M., 1578P
Yoshida, T. See Aoshima, S., 1801C
Yoshikawa, C.
—; Goto, A.; Tsujii, Y.; Ishizuka, N.; Nakanishi, K.; Fukuda, T.: Surface Interaction of Well-Defined, Concentrated Poly(2-hydroxyethyl methacrylate) Brushes with Proteins, 4795C
You, B. See Cheng, X., 3431C; Fang, H., 208P
You, H. See Kim, Y.-H., 900C; Zhao, Q., 341C
Yousefi, A. A. See Es-Haghi, S. S., 2860P
Yousi, Z. See Jiaming, Z., 4082C
Yu, B. See He, J., 4144C
Yu, F.
—; He, J.; Wang, X.; Gao, G.; Yang, Y.: Synthesis of Graft Copolymers with "V-Shaped" and "Y-Shaped" Side Chains Via Controlled Radical and Anionic Polymerizations, 4013C
Yu, H. See Chen, L., 4322C; Li, J., 2273C
Yu, H.-J. See Huo, J., 2880P

Yu, J. See Han, H., 3986C; Ma, W.-M., 1755P; Sun, J., 2594P
Yu, L.
—; Chang, G.; Zhang, H.; Ding, J.: Temperature-Induced Spontaneous Sol–Gel Transitions of Poly(D,L-lactic acid-*co*-glycolic acid)-*b*-Poly(ethylene glycol)-*b*-Poly(D,L-lactic acid-*co*-glycolic acid) Triblock Copolymers and Their End-Capped Derivatives in Water, 1122C
Yu, P.
—; Li, A.-L.; Liang, H.; Lu, J.: Polymerization of β-Pinene with Schiff-Base Nickel Complexes Catalyst: Synthesis of Relatively High Molecular Weight Poly(β-pinene) at High Temperature with High Productivity, 3739C
Yu, S. See He, X., 4733C
Yu, W.
—; Zhou, C.: Coalescence of Droplets in Viscoelastic Matrix With Diffuse Interface Under Simple Shear Flow, 1856P
Yu, X. See Li, J., 184P
—; Shi, T.; An, L.; Zhang, G.; Dutta, P. K.: Synthesis of a ⊥-Shaped Amphiphilic Block Copolymer by the Combination of Atom Transfer Radical Polymerization and Living Anionic Polymerization, 147C
Yu, Z. See Zhou, X., 471C
Yu, Z.-Z. See Xie, X.-L., 1448P
Yuan, H. See Tang, W., 2136P
Yuan, J. See Yang, P., 745C
Yuan, M.-C.
—; Shih, P.-I.; Chien, C.-H.; Shu, C.-F.: Synthesis and Characterization of a Polyfluorene Containing Carbazole and Oxadiazole Dipolar Pendent Groups and Its Application to Electroluminescent Devices, 2925C
Yuan, X. See Lu, J.-M., 3894C; Shen, F., 41P
—; Shen, F.; Wu, G.; Wu, C.: Novel *In Situ* Coordination Copper Sulfate/Acrylonitrile–Butadiene Rubber Composite, 571P
Yue, D.
—; Fujii, T.; Terada, K.; Tabei, J.; Shiotsuki, M.; Sanda, F.; Masuda, T.: Synthesis and Helicity of Optically Active Poly(*N*-propargyl-phosphonamidates) Having Chiral Phosphorus Center, 1515C
Yue, T. M. See Yung, K. C., 1662P
Yuen, S.-M.
—; Ma, C.-C. M.; Chiang, C.-L.; Lin, Y.-Y.; Teng, C.-C.: Preparation and Morphological, Electrical, and Mechanical Properties of Polyimide-Grafted MWCNT/Polyimide Composite, 3349C
Yuki, Y. See Takagi, K., 4786C
Yung, K. C.
—; Zhu, B. L.; Wu, J.; Yue, T. M.; Xie, C. S.: Effect of AlN Content on the Performance of Brominated Epoxy Resin for Printed Circuit Board Substrate, 1662P
Yurekli, Y.
—; Altinkaya, S. A.; Zielinski, J. M.: Solubility and Diffusivity of Methylmethacrylate and Butylacrylate Monomers in a MMA–BA Copolymer, 1996P
Yurteri, S. See Demirel, L. A., 2091C
Yutai, L. See Jiaming, Z., 4082C

Zadoina, L. See Lalevée, J., 2494C
Zafeiropoulos, N. E. See Garcia, I., 925C, 4744C
Zakharov, V. A. See Mikenas, T. B., 5057C
Zamfir, M. See Buruiana, E. C., 1956C
Zamora, F. See Paz, de Ma Violante, 4109C
Zaragoza-Contreras, E. A. See López-Martínez, E. I., 511P
Zasada, M. See Kabatc, J., 3626C
Zengin, G. See Zengin, H., 1860C
Zengin, H.
—; Zengin, G.; Topping, C. M.; Smith, Jr., D. W.: Synthesis and Characterization of a Bis-(4-Trifluoromethanesulfonyloxyphenyl)Phenylamine Monomer and Its Polymer for Light-Emitting Applications, 1860C
Zetta, L. See Ricci, G., 4635C, 5339C
Zetterlund, P. B. See Nur Alam, Md., 4995C; McHale, R., 2194C
Zezin, A. B. See Kabanov, A. V., 3501C
Zhan, J. See Lin, Y., 26C
Zhang, B. See Guo, T.-Y., 5067C
Zhang, C. See Liao, L., 5857C
—; Sun, S. S.: Efficient Synthesis of an Aldehyde-Capped Polythiophene Containing Fluorinated Electron-Withdrawing Groups, 41C
Zhang, D. See Fei, X., 5923C
—; Hamilton, P. D.; Kao, J. L.-F.; Venkataraman, S.; Wooley, K. L.; Ravi, N.: Formation of Nanogel Aggregates by an Amphiphilic Cholesteryl-Poly(amidoamine) Dendrimer in Aqueous Media, 2569C
—; Meyer, H.: Molecular Dynamics Study of Polymer Crystallization in the Presence of a Particle, 2161P
Zhang, F. See Zhou, X., 471C
Zhang, G. See Yu, X., 147C
Zhang, H. See Fei, X., 5923C; Yu, L., 1122C
Zhang, J. See Ge, Z., 1432C; Liao, X., 1625P; Qian, J., 1564P; Tao, H., 153P; Yang, Y., 5759C
—; Li, B.-G.; Fan, H.; Zhu, S.: Synthesis of Ethylene-1-Hexene Copolymers from Ethylene Stock by Tandem Action of Bis(2-dodecylsulfanyl-ethyl) amine-$CrCl_3$ and Et(Ind)$_2$ $ZrCl_2$, 3562C
—; Shan, D.; Mu, S.: Chemical Synthesis and Electric Properties of the Conducting Copolymer of Aniline and *o*-Aminophenol, 5573C
—; Yang, Y.; Zhao, C.; Zhao, H.: PS/PMMA Mixed Polymer Brushes on the Surface of Clay Layers: Preparation and Application in Polymer Blends, 5329C
Zhang, L. See Chen, T., 1898P; Liang, S., 1187P; Liu, B., 3391C; Tao, Y., 2546P; Wang, Y., 2322P; Yang, P., 745C; Zhang, S., 768C
—; Lutz, T. R.; Zhao, J.; Ediger, M. D.: Molecular Weight Dependence of Polystyrene Segmental Dynamics in Dilute Blends with Poly(vinyl methyl ether), 2252P
—; Wang, Q.; Lei, P.; Wang, X.; Wang, C.; Cai, L.: Multiblock Poly(4-vinylpyridine) and Its Copolymer Prepared with Cyclic Trithiocarbonate as a Reversible Addition–Fragmentation Transfer Agent, 2617C

Zhang, M. See Chen, J.-T., 2912P; Wu, D., 229P, 1100P, 2239P, 3137P; Zhao, G., 2344P

Zhang, M. Z. See Fang, F., 2563P

Zhang, Q. See Gao, J., 5380C

Zhang, Q.-X. See Xie, X.-L., 1448P

Zhang, R. See Oh, J. K., 4764C

Zhang, R. H.

—; Shi, D.; Tjong, S. C.; Li, R. K. Y.: Study on the β to α Transformation of Polypropylene Crystals in Compatibilized Blend of Polypropylene/Polyamide-6 , 2674P

Zhang, S. See Cheng, Y., 650C; Li, W., 3550C; Nie, G., 3929C; Peng, D., 3687C; Zhang, X., 5509C; Zuo, W., 3415C

—; Feng, Y.; Zhang, L.; Sun, J.; Xu, X.; Xu, Y.: Novel Interpenetrating Networks with Shape-Memory Properties, 768C

Zhang, W. See Jiang, X., 2812C; Niu, Y., 5050C; Zhang, Z., 5722C

Zhang, X. See Ding, Y., 1252P; Liang, S., 1187P; Peng, D., 3687C

—; Chen, S.; Li, H.; Zhang, Z.; Lu, Y.; Wu, C.; Hu, Y.: Copolymerizations of Ethylene and Polar Comonomers with Bis(phenoxyketimine) Group IV Complexes: Effects of the Central Metal Properties, 59C

—; Shen, Z.; Li, L.; Zhang, S.; Lu, G.; Huang, X.: Synthesis of Polyallene-Based Graft Copolymer via 6-Methyl-1,2-heptadien-4-ol and Styrene, 5509C

Zhang, X.-Z. See Zhu, J.-L., 5354C; Zou, T., 5256C

Zhang, Y. See Han, H., 3986C; Sheng, H., 1210C; Wu, D., 1100P; Zhou, Z., 1616P

—; Guo, S.; Lu, C.; Liu, L.; Li, Z.; Gu, J.: Poly(ε-caprolactone)-*b*-Poly(ethylene glycol)-*b*-Poly (ε-caprolactone) Triblock Copolymers: Synthesis and Self-Assembly in Aqueous Solutions, 605C

—; Xu, Z.; Li, X.; Chen, Y.: Codendronized Polymers Pendent with Alternating Dendritic Wedges, 3994C

—; Xu, Z.; Li, X.; Chen, Y.: Synthesis of Dendronized Polymer Brushes Containing Metallo-Supramolecular Polymer Side Chains, 3303C

Zhang, Y.-F.

—; Xin, Z.: Isothermal Crystallization Behaviors of Isotactic Polypropylene Nucleated with α/β Compounding Nucleating Agents, 590P

Zhang, Z. See He, X., 933C; Hong, H., 639C; Wan, X., 2886C; Wang, J., 3788C; Wang, S., 5318C; Zhang, X., 59C

—; Deng, J.; Zhao, W.; Wang, J.; Yang, W.: Synthesis of Optically Active Poly(*N*-propargylsulfamides) With Helical Conformation, 500C

—; Zhang, W.; Zhu, X.; Cheng, Z.; Zhu, J.: "Living"/ Controlled Free Radical Polymerization of MMA in the Presence of Cobalt(II) 2-Ethylhexanoate: A Switch from RAFT to ATRP Mechanism, 5722C

Zhang, Z. C. See Cao, N., 5800C

Zhang, Z.-J. See Wang, H.-Y., 1066C

Zhao, B. See Jiang, X., 3707C

Zhao, C. See Zhang, J., 5329C

Zhao, G.

—; Zhang, M.; Men, Y.; Ding, M.; Jiang, W.: Shear-Enhanced Crystallization of a Thermoplastic Polyimide Derived from 3,3′,4,4′-Oxydiphthalic Dianhydride and 4,4′-Oxydianiline, 2344P

Zhao, H. See Yang, Y., 5759C; Zhang, J., 5329C

—; Sanda, F.; Masuda, T.: Controlled Helical Orientation of Carbazole in Amino Acid Derived Poly(*N*-propargylamide)s, 253C

—; Sanda, F.; Masuda, T.: Helical Poly(phenylacetylene) Derived from L-Tyrosine: A Promising Candidate for Functional Helical Polymers Carrying Transformable *N*- and *C*-Termini, 1691C

Zhao, J. See Zhang, L., 2252P

Zhao, L. See Shangguan, Y., 1704P

—; Du, Q.; Jiang, G.; Guo, S.: Attapulgite and Ultrasonic Oscillation Induced Crystallization Behavior of Polypropylene, 2300P

Zhao, P. See Liu, Q., 3330C

—; Ling, Q.-B.; Wang, W.-Z.; Ru, J.; Li, S.-B.; Huang, W.: Reversible Addition-Fragmentation Chain Transfer Polymerization of Methacrylates Containing Hole- or Electron-Transporting Groups, 242C

Zhao, Q.

—; Kim, Y.-H.; Mai Dang, T. T.; Shin, D.-C.; You, H.; Kwon, S.-K.: Synthesis and Characterization of Diphenylaminodiphenyl Stryl Based Alternating Copolymers, 341C

Zhao, T. See Chen, Z., 884P

Zhao, W. See Zhang, Z., 500C

Zhao, X. See Lu, C., 1976P; Luo, J., 1424C

Zhao, Y. See Hao, C., 1589P; Jin, M., 3460C

Zheng, G.-Q. See Zou, X.-X., 2948P

Zheng, G.-W. See Xie, X.-L., 1448P

Zheng, H. See Yin, H., 5091C

—; Hua, D.; Bai, R.; Hu, K.; An, L.; Pan, C.: Controlled/Living Free-Radical Copolymerization of 4-(Azidocarbonyl) Phenyl Methacrylate with Methyl Acrylate under ^{60}Co γ-Ray Irradiation, 2609C

Zheng, P. See Jiang, X., 2812C

Zheng, Q. See Shangguan, Y., 1704P; Sun, J., 2594P; Wang, X. C., 1176P

Zheng, R. See Häußler, M., 4249C

Zheng, S. See Fan, W., 2580P; Ni, Y., 2201P; Ni, Y., 1247C

Zheng, X. See Chen, G., 654P

Zheng, Y.

—; Lu, M.; Ren, S.; Liang, L.; Lan, Y.: Liquid Crystalline Epoxides with Long Lateral Substituents: Mechanical and Thermal Properties, 2835P

Zheng, Z. See Gao, J., 5380C

Zhi, J. See Zhu, Z., 830C

Zhong, C.

—; Luo, P.: Characterization, Solution Properties, and Morphologies of a Hydrophobically Associating Cationic Terpolymer, 826P

Zhong, H.

—; Wei, P.; Jiang, P.; Wu, D.; Wang, G.: Synthesis and Characteristics of a Novel Silicon-Containing Flame Retardant and Its Application

in Poly[2,2-propane-(bisphenol) carbonate]/ Acrylonitrile Butadiene Styrene, 1542P
Zhong, S.
—; Cui, X.; Cai, H.; Fu, T.; Na, H.: Preliminary Evaluation of Sulfonated Poly(ether ether ketone)/Monoethanolamine/ Adipic Acid Composite Membranes for Direct Methanol Fuel Cell Applications, 2871P
Zhong, Z. See Breteler, M. R. T., 429C
Zhou, C. See Wu, D., 229P; Yu, W., 1856P
Zhou, E. See Huo, L., 3861C
—; Tan, Z.; He, Y.; Yang, C.; Li, Y.: Synthesis, Hole Mobility, and Photovoltaic Properties of Two Alternating Poly[3-(hex-1-enyl)thiophene-*co*-thiophene]s, 629C
Zhou, G.
—; He, J.; Harruna, I. I.: Self-Assembly of Amphiphilic Tris(2,2′-bipyridine) ruthenium-Cored Star-Shaped Polymers, 4204C
—; He, J.; Harruna, I. I.: Synthesis and Characterization of Tris(2,2′-bipyridine)ruthenium-Cored Star-Shaped Polymers Via RAFT Polymerization, 4225C
Zhou, H. See Jiménez, Z., 3009C; Li, Q., 5103C; Rao, X., 4844C
Zhou, J. See Gao, J., 5380C; Li, S., 5459C; Qiao, X., 1028C
Zhou, J.-F. See Huo, J., 2880P; Yang, Q., 3451C
Zhou, L. See Hao, C., 1589P; Sheng, H., 1210C
Zhou, Q. See Cai, Z.-Q., 727C, 3922C; Tang, X., 1653C, 2225C, 3342C, 5190C; Zhu, Z., 830C
Zhou, Q.-F. See Gao, L.-C., 5949C; Sun, L.-M., 2543C
Zhou, X.
—; Ni, P.; Yu, Z.; Zhang, F.: Latices of Poly(fluoroalkyl mathacrylate)-*b*-Poly(butyl methacrylate) Copolymers Prepared via Reversible Addition–Fragmentation Chain Transfer Polymerization, 471C
Zhou, Y. See Hao, C., 1589P
Zhou, Z.
—; Wang, S.; Lu, L.; Zhang, Y.; Zhang, Y.: Isothermal Crystallization Kinetics of Polypropylene with Silane Functionalized Multi-Walled Carbon Nanotubes, 1616P
Zhu, B. L. See Yung, K. C., 1662P
Zhu, D. See Cheng, Y., 650C; Jiu, T., 911C; Li, C., 1403C
—; Bin, Y.; Matsuo, M.: Electrical Conducting Behaviors in Polymeric Composites with Carbonaceous Fillers, 1037P
Zhu, J. See Wan, X., 2886C; Wang, J., 3788C; Wang, S., 5318C; Zhang, Z., 5722C
Zhu, J.-L.
—; Zhang, X.-Z.; Cheng, H.; Li, Y.-Y.; Cheng, S.-X.; Zhuo, R.-X.: Synthesis and Characterization of Well-Defined, Amphiphilic Poly(*N*-isopropylacrylamide)- *b*-[2-hydroxyethyl methacrylate-poly(ε-caprolactone)]$_n$ Graft Copolymers by RAFT Polymerization and Macromonomer Method, 5354C
Zhu, L. See Qian, J., 1564P
Zhu, R. See Wen, G.-A., 388C
Zhu, S. See Faucher, S., 553C; Gao, J., 3098C; Zhang, J., 3562C
Zhu, T. See Cheng, Y., 650C
Zhu, X. See Hua, D., 2847C; Wan, X., 2886C; Wang, J., 3788C; Wang, S., 5318C; Zhang, Z., 5722C
Zhu, X. X. See Giguère, G., 4173C
Zhu, X.-R. See Wen, G.-A., 388C
Zhu, Y. See Chen, S., 444P
Zhu, Z.
—; Zhi, J.; Liu, A.; Cui, J.; Tang, H.; Qiao, W.; Wan, X.; Zhou, Q.: Synthesis and Characterization of a Thermotropic Liquid-Crystalline Poly[2,5-bis(4′-alkoxycarbonylphenyl) styrene], 830C
Zhuang, X. See Niu, Y., 5050C
Zhuo, R.-X. See Zhu, J.-L., 5354C; Zou, T., 5256C
Zielinski, J. M. See Yurekli, Y., 1996P
Zilberman, J. See Ranganathan, T., 4573C
Zorba, G.
—; Pitsikalis, M.; Hadjichristidis, N.: Novel Well-Defined Star Homopolymers and Star-Block Copolymers of Poly(*n*-hexyl isocyanate) by Anionic Polymerization, 2387C
Zou, D. See Peng, Q., 5296C
Zou, H. See Chen, Z., 884P
Zou, L.
—; Anthamatten, M.: Synthesis and Characterization of Polyimide-Polysiloxane Segmented Copolymers for Fuel Cell Applications, 3747C
Zou, Q.-C.
—; Wu, L.-M.: Inverse Gas Chromatographic Characterization of Triblock Copolymer of Polystyrene–Poly(ethylene oxide)–Polystyrene, 2015P
Zou, T.
—; Li, S.-L.; Zhang, X.-Z.; Wu, X.-J.; Cheng, S.-X.; Zhuo, R.-X.: Synthesis and Characterization of a Biodegradable Amphiphilic Copolymer Based on Branched Poly(ε-caprolactone) and Poly(ethylene glycol), 5256C
Zou, X. See Cheng, Y., 650C
Zou, X.-X.
—; Yang, W.; Zheng, G.-Q.; Xie, B.-H.; Yang, M.-B.: Crystallization and Phase Morphology of Injection-Molded Isotactic Polypropylene (iPP)/ Syndiotactic Polypropylene (sPP) Blends, 2948P
Zschoche, S. See Radhakrishnan, N., 5636C
Zsuga, M. See Nagy, M., 5149C
Zulfequar, M. See Ameen, S., 2682P
Zuo, W.
—; Sun, W.-H.; Zhang, S.; Hao, P.; Shiga, A.: Highly Active Ethylene Polymerization and Copolymerization with Norbornene Using Bis(imino-indolide) Titanium Dichloride–MAO System, 3415C
Zussman, E. See Rein, D. M., 766P

JOURNAL OF
POLYMER SCIENCE

Combined Subject Index to Volume 45

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 45, 2007. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

ABA triblock copolymers, 5190C
ABC triblock, 2601C
AB-type precursors, 1878C
Acceptor, 41C
Acetal, 4855C
Acetonitrile–water mixed solvent media, 1765P
Acid doping, 2989C
Acrylamide, 826P
Acrylates, 3759C
Acrylates and methacrylates, 3009C
Acrylic acid, 5529C
Acrylics, 989C
Acrylonitrile–butadiene rubber, 571P
Activated monomer polymerization, 4914C
Activation energies, 2620P
Activation energy, 232C, 884P, 1093C, 1931C, 2246C, 2918P, 3189P, 3599C, 5697C
Activators generated by electron transfer (AGET), 4764C
Active chain end polymerization, 4914C
Active sites distribution, 3941C
Activity, 5662C
Acyl azide, 2609C
Acylphosphine oxide, 2161C
Added base, 1801C
Addition polymerization, 873C, 908C, 2842P, 3370C, 3415C, 3580C, 3872C, 4581C, 4606C
Addition reaction, 709C
Additives, 2689C, 4082C, 4606C
Adhesion, 989C, 2113P, 3361P, 3370C, 3798C, 5979C
Adhesives, 99C, 963C, 989C, 1470P, 2689C, 5182C, 5838C
Adsorbed polyethylene chain, 2322P
Adsorption, 1252P, 2060P, 4341C
AFM, 1511P, 2813P, 4623C
Ageing, 2390P
Aggregates, 5296C
Aggregation, 920P, 2410P, 4173C
Aging, 1390P
Agnanoparticles, 5380C
Alcohol, 2328C
Alditols, 4109C
Alkoxy pyridinium salts, 423C
Alkoxyamine, 4364C, 5559C
Alkyl acrylate, 4597C
Alkyl complex, 5662C
Alkyl tail length, 830C
Alkynes, 4249C, 5182C
Alloys, 2972P
Allyl, 5518C
Allyl methacrylate, 1845P, 3538C
Allylpalladium complexes, 3042C
AlN additives, 1662P
Alternating copolymerization, 709C
Alternating copolymers, 341C, 2774C
Alternating donor-acceptor copolymers, 3861C
Alumina (Al_2O_3), 747P
Ambient temperature, 3818C, 5091C
Amide enolate, 1260C
Amino acid, 181C
α-Amino acid ester, 543C
Amino acids, 253C, 1691C
Aminolysis of PET, 2172C
Aminopenta-2,4-dienylidene group, 1507C
Aminophenols, 1878C
Aminopyridinato ligands, 3611C
Ammonium persulfate, 4322C
Amorphous, 349P, 627P, 1675P, 1821P, 2912P
Amphiphiles, 81C, 147C, 774P, 1185C, 1247C, 1707C, 2201P, 2225C, 2532C, 2569C, 3303C, 3770C, 4173C, 4284C, 5149C, 5227C
Amphiphilic, 295C, 308C, 3687C, 4988C, 5518C
Amphiphilic block copolymers, 333C, 605C, 1316C
Amphiphilic conetworks, 4276C
Amphiphilic copolymers, 5318C
Amphiphilic monomer, 4891C
Amphiphilic polymers, 3975C
Amphiphilic star polymers, 4204C
Amphiphilic triblock copolymers, 2225C
Anamantane, 1781P
Aniline and *o*-aminophenol, 5573C
Anionic lanthanide phenoxide complex, 1210C
Anionic polymerization, 147C, 361C, 1260C, 1993C, 2387C, 2576C, 2726C, 2762P, 3722C, 3798C, 3803C, 3949C, 4013C, 4168C, 4179C, 4818C, 5017C, 5136C, 5824C
Anionic ring-opening polymerization, 709C
Annealing, 208P, 1704P, 2918P
Anodic alumina, 4002C
Anthracene, 3083C, 4661C
4-(2-(9-Anthryl))-vinyl-styrene (AVS), 3894C
Antiflammable polymer, 4573C
Arabinitol, 4109C
4-Arm star polymer, 3342C
Aromatic polyamides, 2007P, 2083P, 4026C
Aromatic polyester, 4573C
Arrangement model, 1252P
Aryl acrylates, 4043C
L-Ascorbic acid, 69C
Association, 920P, 3285P
Asymmetric polyimide membrane, 262P, 2739P
Asymmetric radical polymerization, 1304C
Asymmetric substitution, 3156P
Asymmetrical divinyl monomer, 26C
Atactic polystyrene, 1755P

Atom transfer, 1607C, 4950C
Atom transfer free radical polymerization, 5722C
Atom transfer radical copolymerization (ATRP), 2225C
Atom transfer radical polymerization (ATRP), 147C, 333C, 423C, 447C, 460C, 566C, 688C, 925C, 942C, 968C, 1055C, 1109C, 1413C, 1446C, 1607C, 1653C, 1661C, 1845P, 1899C, 2015C, 2212C, 2425C, 2543C, 2580P, 2646C, 2913C, 2947C, 3330C, 3342C, 3451C, 3460C, 3488C, 3538C, 3570C, 3588C, 3776C, 3818C, 3894C, 3956C, 4082C, 4173C, 4179C, 4564C, 4744C, 4764C, 5037C, 5164C, 5190C, 5748C, 5770C
Atomic force microscopy (AFM), 52P, 284C, 521C, 532P, 605C, 684P, 826P, 925C, 1055C, 1619C, 1834P, 2073C, 2091C, 2368P, 2390P, 2441P, 2925C, 3060P, 3451C, 4240C, 4341C, 4744C
Atomic oxygen, 1641C
ATRP, 553C, 2375C, 2601C, 3687C, 3818C, 4037C, 4441C, 4623C, 4950C, 5509C, 5824C
Attapulgite, 2300P
Avrami analysis, 2640P
Azides, 5182C
Azlactone, 3677C
Azobenzene, 1653C, 2225C, 2886C, 3342C, 3460C, 5190C
Azo polymers, 1653C, 1899C, 2225C, 4240C, 5190C, 5209C
Azopolymers, 4430C

BA, 1996P
Back-biting, 2514C
Band-target entropy minimization (BTEM), 5697C
Barrier, 684P, 840P, 2083P
Barrier polymers, 2083P
Base-developable polyimide photoresists, 776C
Benzodithiophene, 5277C
Benzophenone, 576C
Benzoxazine, 1007C, 1670C, 2774C
Benzoyl peroxide, 2470P
Benzylidene polymers, 3116C
Bifunctional chain ends, 4684C
Bifunctional initiators, 2212C
Bilayer membrane, 4891C
(*S*)-1,1′-Binaphthol, 650C
Binary catalyst system, 1364C
Binary interaction parameters, 2739P
Biocompatibility, 4284C, 4795C, 5770C
Biocompatible polymers, 1185C
Bioconjugation, 4545C
Biodegradable, 873P, 1349C, 1595C, 1737C, 1889C, 2038P, 2235C, 2734C, 2755C, 2972P, 3218C, 3966C, 4109C, 4536C, 5076C, 5227C, 5256C, 5354C, 5662C, 5857C
Biodegradable polyester, 3204C
Biodegradable polymer, 616P, 1564P
Biodegradable polymers, 1595C, 3975C
Biodegradation, 903P
Biofibers, 2038P
Biological applications of polymers, 1247C, 2059C
Biomaterials, 181C, 239P, 768C, 945P, 1185C, 1595C, 2038P, 2172C, 2568P, 2593C, 2972P, 3137P, 3231C, 3256C, 4091C, 4185C, 4284C, 4545C, 5031C, 5256C, 5857C, 5942C
Biomimetic, 253C, 1187P, 1296C, 1691C, 5031C
Biopolymer, 1511P
Biopolymers, 333C, 698P, 873P, 2031P, 2341C, 2546P, 2632P, 2734C, 2755C, 3003P
Bipyridine, 4204C, 4225C
Birefringence, 377P
2,2′-Bis(*p*-aminophenoxy)-1,1′-binaphthyl-6,6′-disulfonic acid, 222C
Bis(epoxide), 4421C
2,2′-Bis(2-oxazoline), 1976P
Bis(rhodium chloride cycloocta-1,5-diene) catalyst, 437C, 2038C
Bis-(4-trifluoromethanesulfonyl-oxyphenyl)phenylamine monomer, 1860C
Bisphenol-A polycarbonate, 2715P
Bisphenols, 2004C, 4656C
Bithiophene, 5266C
Blend, 607P, 2899P, 2948P
Blend miscibility, 1521P
Blend morphology, 2729P
Blending, 1704P, 2603P
Blends, 67P, 395P, 532P, 577P, 627P, 864P, 903P, 989C, 1045P, 1122P, 1325P, 1365P, 1394C, 1399P, 1552P, 1653P, 1704P, 1959P, 2071P, 2136P, 2252P, 2432P, 2481P, 2580P, 2614P, 2674P, 2707P, 2715P, 2729P, 2860P, 2972P, 3011P, 3148P, 3215P, 3285P, 3473C, 5329C
Block copolymer, 52P, 2284P, 3263P, 3277P, 3698C, 4037C, 4623C
Block copolymers, 81C, 147C, 284C, 361C, 423C, 471C, 485C, 588C, 677P, 789C, 800C, 1109C, 1122C, 1316C, 1364C, 1432C, 1446C, 1499C, 1899C, 1993C, 2015C, 2015P, 2060P, 2235C, 2334C, 2410C, 2410P, 2468C, 2484C, 2532C, 2555P, 2576C, 2617C, 2646C, 2705C, 2726C, 2842P, 2912P, 2913C, 2947C, 3129C, 3197P, 3249P, 3338P, 3361P, 3386C, 3386P, 3524C, 3538C, 3570C, 3894C, 3949C, 3994C, 4091C, 4284C, 4300C, 4564C, 4879C, 5037C, 5076C, 5136C, 5156C, 5190C, 5559C, 5770C, 5949C
Blood compatibility, 333C
Blood substitutes, 1185C
Blowing agents, 2497P
Blue-light-emitting, 341C
Blue light-emitting polymers, 4941C
Bond dissociation energy, 1607C
Borohydride, 3611C
Boron trifluoride diethyl etherate, 3929C, 5932C
Branch density and distribution, 3562C
Branched, 577P, 1552P, 2375C, 2497P, 2543C, 2762P, 3112C, 3117P, 3803C, 4844C
Brominated epoxy, 1662P
Bromotrifluoroethylene (BrTFE), 1814C
Brush structure, 2060P
Bulk morphology, 3197P
Bulk polymerization, 444P
Bulk response, 3375P
Butadiene–isoprene copolymers, 4635C
n-Butanol formation, 5838C
Butyl acrylate, 1845P, 1996P
n-Butyl acrylate, 3098C
Butyl acrylate latexes, 5838C
Butyl vinyl ether, 908C
BZ reaction, 1578P

C_{60}, 5408C
Cagelike polymer microspheres, 933C
Calcium sulfate, 2770P
Calculations, 1983P, 2827C, 4950C
Calorimetry, 936P, 1932P, 2603P, 2842P
Caprolactone (CL), 873P, 1210C
ε-Caprolactone (ε-CL), 1210C, 3060P
Carbazole, 242C, 253C, 4450C
Carbocationic polymerization, 3053C
Carbohydrate-polymers, 4109C
Carbon black, 955P, 1143C, 3451C
Carbon dioxide, 1868C, 5050C, 5673C
Carbon nanoparticles, 511P
Carbon nanotube, 1037P

Carbon nanotubes, 460C, 1870P, 3477C, 4413C, 5459C
Carbonate, 3408C, 5673C, 5781C
Carboxyl urethane dimethacrylate, 1956C
Carboxylated polymer, 5529C
Carother's equation, 5237C
Cascade chemical transformation, 1170C
Catalysis, 543C, 2038C, 2400C, 2956P, 3060P, 3135C, 3370C, 3524C, 5199C
Catalyst, 553C, 680C, 3562C, 5050C
Catalyst activation, 3135C
Catalysts, 2235C, 3042C, 3135C, 3391C, 3599C, 3611C, 3637C, 4635C, 4901C, 5199C, 5662C, 5673C
Catalytic activity, 5480C
Catalytic polymerization, 4733C
Catalyzed chain growth, 2705C
Cationic, 4829C
Cationic amphiphilic copolymer, 5022C
Cationic palladium catalyst, 3042C
Cationic photopolymerization, 3759C
Cationic polyelectrolyte, 1481C
Cationic polymerization, 16C, 908C, 1388C, 1920C, 1968C, 1980C, 2129C, 2316C, 2820C, 3053C, 3090C, 3415C, 3739C, 4211C, 4331C, 4389C, 4459C, 4855C, 4914C, 5636C, 5847C
Cationic polymerizations, 4829C
Cationic polymers, 2113C
Cationic ring-opening polymerization, 416C
Cellulose, 903P, 1114P, 1821P, 2850P
Cellulose acetate, 873P
Centrifugation, 794P
Chain conformation, 920P
Chain extension, 1976P
Chain packing, 1271P
Chain polymerization, 975C
Chain running, 191C
Chain scission, 455P
Chain transfer, 1093C, 3150C, 4394C
Chain-growth polycondensation, 3129C
Chain-transfer agent, 26C
Chalcone, 531C
Channel-type structure, 1247C
Chapman rearrangement, 4656C
Char yield, 1878C
Characterization, 2726C
Charge/discharge properties, 5431C
Charge transfer, 1187P, 3770C, 4921C, 5573C
Charge transport, 222C, 794P, 1394C, 2073C, 2535P, 2925C, 3083C, 5957C
Chemical and electrochemical polymerization, 4707C
Chemical composition distribution, 1010P
Chemical copolymerization, 5573C
Chemical modification, 269C, 5529C
Chemical nucleation, 1564P
Chemical synthesis, 2787C
Chiral, 500C, 548C, 981C, 1304C, 1377C, 1515C, 1691C, 2026C, 2085C, 3722C, 3788C, 4450C, 4891C
Chiral phosphorus atoms, 866C
Chiral polymer complexes, 650C
Chitosan, 1260P, 1907P, 2556C, 2603P, 2620P
Chloroacetic acid, 3956C
Chlorotrifluoroethylene (CTFE), 1814C
Cholesteryl, 2569C
Cholic acid, 4173C
Chromatography, 2015P, 2546P
Chromium, 3668C
Chromium catalyst, 3135C
Chromogenic image, 4430C
Chromophores, 3022C
Cis-norbornene-*exo*-dimethyl carboxylates, 3391C
Clay, 229P, 239P, 654P, 1100P, 1243P, 1503P, 2581C, 2664P, 2747P, 3189P, 4193C, 5329C, 5759C
Click chemistry, 4300C, 5182C
Click reaction, 1055C, 3204C, 3330C
Click-reaction, 485C
[3 + 2] Click reaction, 3588C
Clustering, 2007P
Co-polymerization, 2375C
Co-continuity, 864P
CO_2, 5649C
Coacervate, 1511P
Coacervation, 4129C
Coated polymeric microspheres, 1911C
Coating, 2655P
Coatings, 5838C
Cobalt, 447C
Cobalt-mediated radical polymerization, 447C, 2532C
Coefficient of thermal expansion, 1662P
Cold crystallization, 955P, 1100P
Cold plasma, 2390P
Colloid, 1578P
Colloids, 511P, 3770C, 4185C, 4552C, 4995C, 5884C
Coloration efficiency, 2004C
Columnar nematic phase, 830C
Comblike copolymers, 2543C
Comonomer distribution, 3135C
Comonomer incorporation, 3135C
Compatibility, 1424C, 2603P, 3003P, 3231C
Compatibilization, 3215P
Compatibilizer, 2136P
Complex bulk modulus, 91P
Composite, 1037P, 1448P, 2770P, 2871P, 3912C
Composites, 571P, 860P, 1045P, 1535P, 1616P, 1808P, 2201P, 2239P, 2535P, 2700P, 2982P, 3078P
Compounding, 1808P
α/β Compounding nucleating agents, 590P
Compression, 358P, 436P, 2700P
Compression molding, 1808P
Compressive resistance relaxation, 2700P
Compressive stress relaxation, 2700P
Computer modeling, 232C, 627P, 930P, 1435P, 2123P, 2161P, 3327P, 4950C
Condensation monomers, 4671C
Conducting polymer, 999C, 2664P, 3929C
Conducting polymers, 860P, 1377C, 1394C, 1424C, 1758C, 1808P, 2046P, 2085C, 2147P, 2273C, 2328C, 2624C, 2682P, 2787C, 3069P, 3902C, 4496C, 4751C, 5277C, 5573C, 5932C
Conductive networks, 860P
Conductivity, 1018P, 1860C, 3902C, 4647C, 5590C
Cone calorimetry, 2023P
Conetworks, 295C
Configurational entropy, 661P, 2232P
Conformation, 2322P, 2880P
Conformational analysis, 1403C, 2368P, 4950C
Conjugated oligomers, 3770C
Conjugated polymer, 165C, 388C, 1084C, 5679C
Conjugated polymers, 67P, 111C, 317C, 330P, 500C, 548C, 629C, 736C, 756C, 800C, 976P, 1016C, 1199C, 1394C, 1507C, 1546C, 1619C, 1632C, 1746C, 1758C, 1983P, 2048C, 2073C, 2410C, 2867C, 2925C, 2938C, 3311C, 3380C, 3440C, 3776C, 3861C, 4291C, 4430C, 4465C, 4588C, 4661C, 4696C, 4707C, 4751C, 4773C, 4867C, 4941C, 5123C, 5266C, 5296C, 5431C, 5541C, 5872C, 5957C
Conjugated polythiophenes, 4707C
Conjugated triblock copolymers, 2410C
Constitutive equation, 436P

Contact angle, 333C, 5770C
Contact angles, 253P
Continuous stiffness measurement, 1114P
Control of molecular weight, 3872C
Controlled molecular weight, 1944C
Controlled polymerization, 4855C
Controlled radical polymerization, 81C, 1219C, 1499C, 2484C, 2532C, 2705C, 4300C, 5091C
Controlled/living radical polymerization, 242C, 1272C, 4995C
Cooperative effects, 1619C
Coordinated anionic polymerization, 968C
Coordination, 41P
Coordination crosslinking, 571P
Coordination polymerization, 4037C
Copolyethers, 211C
Copolymer, 639C
Copolymerization, 59C, 81C, 222C, 262C, 395C, 460C, 629C, 955C, 1296C, 1304C, 1388C, 1413C, 1499C, 1536C, 1845P, 2026C, 2105C, 2129C, 2259C, 2532C, 2543C, 2609C, 2755C, 2774C, 2802P, 2820C, 2842P, 2938C, 2956P, 2978C, 3090C, 3098C, 3135C, 3178C, 3415C, 3562C, 3648C, 3677C, 3798C, 3861C, 3994C, 4249C, 4264C, 4389C, 4477C, 4496C, 4597C, 4635C, 5050C, 5199C, 5215C, 5266C, 5459C, 5573C, 5731C, 5781C
Copolymers, 1282C, 1970P, 4389C, 5636C
Copper, 5182C
Copper catalysts, 1134C
Copper sulfate, 571P
Core-shell, 3902C, 4720C
Core-shell architecture, 2287C
Core-shell microspheres, 3256C
Core-shell nanostructures, 1575C
Core–shell particles, 1038C, 1771C
Core-shell polymers, 1575C, 2287C, 2823P, 3256C, 3902C, 4552C, 5649C, 5741C
Core/shell polymers, 5156C
Correlation times, 2410P
Cosolvent, 1625P
Coumarin, 1670C
Coupling, ether, 2328C
Cr/silica, 3135C
Crazing, 1399P, 1410P
Creep, 3046P
Crosslinkable, 3538C
Crosslinkable polymers, 949C
Crosslinked microspheres, 4477C
Crosslinking, 41P, 181C, 295C, 299P, 388C, 531C, 669C, 698P, 949C, 1316C, 1425P, 1670C, 1821P, 1878C, 1920C, 2129C, 2215P, 2432P, 2470P, 2774C, 2820C, 4118C, 4211C, 4441C, 4844C, 4965C, 5182C, 5371C, 5916C
Cross-shaped oligomers, 1066C
Cryo-TEM, 103P
Crystal glass transition, 475P
Crystal size, 1026P
Crystal structure, 116P, 2707P, 5339C
Crystal structures, 218P, 1026P, 1122P, 1704P, 1834P, 1860C, 2201P, 2674P, 2688P, 2793P, 3042C
Crystalline, 1755P
Crystalline orientation, 218P
Crystalline phase, 2793P
Crystallinity, 639C, 1026P, 2400P, 2793P
Crystallization, 90C, 116P, 129P, 138P, 153P, 191C, 196P, 229P, 577P, 590P, 684P, 747P, 930P, 936P, 945P, 955P, 976P, 995P, 1053P, 1068P, 1291P, 1365P, 1494P, 1564P, 1616P, 1870P, 1959P, 2161P, 2167P, 2184C, 2201P, 2300P, 2344P, 2350P, 2456P, 2580P, 2640P, 2688P, 2770P, 2850P, 2890P, 2927P, 2948P, 2982P, 3137P, 3148P, 3197P, 3252P, 3349P, 4988C, 5387C
Crystallization analysis fractionation (Crystaf), 1010P
Crystallization kinetics, 420P, 1344P, 1917P, 2580P, 2640P
Cure reaction with hydroxyl-terminated polybutadiene, 1557C
Curing, 727C
Curing kinetics, 3922C
Curing of polymers, 181C, 999C, 1557C, 1821P, 1980C, 2689C, 2835P, 3798C, 3922C, 4606C
Cyanine dye, 3626C
Cyclic olefin copolymer, 1808P
Cyclic polymers, 680C, 2847C
Cyclic trithiocarbonate, 2617C
Cyclic voltammetry, 2880P, 4291C
Cyclic voltamograms, 5679C
Cyclization, 5597C, 5824C
Cycloaddition, 531C, 5182C
Cycloaddition polymerization, 3770C
Cycloadditions, 4300C
Cycloaliphatic epoxy, 16C
Cyclodextrin, 735P, 1571C
Cyclopolymerization, 680C

Damage zone, 1470P
Deblocking kinetics, 1557C
Deblocking temperature, 1557C
Debonding, 3169P
Deformation, 1932P
Degradation, 317C, 963C, 1848C, 1868C, 2152C, 2755C, 2972P, 4109C, 5811C, 5916C
Degradation behavior, 2755C
Degradative chain transfer, 3191C
Degree of branching, 1474C, 2959C, 5494C
Degree of cycloimidization, 2937P
Degree of exfoliation, 1459P
Degree of functionality, 2514C
Degree of polymerization (DP), 1093C, 5748C
Degree of sulfonation, 222C
Dendrigraft polymers, 3803C
Dendrimer, 4623C
Dendrimers, 1432C, 1970P, 2287C, 2569C, 2835C, 3303C, 3330C, 3994C, 4401C, 5136C
Dendritic, 2762P
Dendritic polymers, 3803C
Dendronized polymer, 614C
Dendronized polymers, 3303C, 3994C, 4974C
Dendrons, 4988C
Densification, 436P
Density, 639C, 1675P, 2632P, 3135C, 3798C
Depropagation kinetics, 1931C
Design of experiments, 3677C
Devices, 4773C
DFT calculations, 162P
Dialkylmagnesium, 2400C
Diamantane, 1077P
Diaminodiphenylsulfone, 3922C
Diamondoids, 1077P
Diaza[12]annulenering, 1507C
Diazo compound, 1536C
Diazoketone, 5209C
Diblock copolymer, 1313P
Diblock copolymers, 368P, 688C, 1585C, 2015C, 2842P, 4441C, 5916C
Diblock-copolymers, 1354P
Dichloro-*N*,*N*′-biphthalimides, 4933C
Diclofenac, 2787C
Dielectric constant, 502P, 1662P
Dielectric dissipation factor, 1662P
Dielectric interference color filter, 330P
Dielectric properties, 342P, 627P, 705P, 1653P, 2046P, 3550C
Dielectric relaxation, 2802P
Diels–Alder adducts, 5979C
Diels-Alder polymers, 4441C, 4545C
Diels–alder reaction, 4441C
N,*N*-Diethyl acrylamide, 1260C
Differential scanning calorimetry (DSC), 16C, 181C, 466P, 475P, 826P, 866C, 955P, 976P, 995P, 1589P, 1641C, 1845P,

2031P, 2201P, 2380P, 2400P, 2580P, 2632P, 2674P, 2998C, 3046P, 3181P, 3524C, 3588C, 3922C, 5387C, 5446C
Differential scanning calorimetry(photo-DSC), 3280C
Diffuse, 1856P
Diffusion, 262P, 349P, 553C, 723P, 884P, 1234P, 1260P, 1637P, 1996P, 2071P, 2083P, 2187P, 2421P, 2823P, 2972P, 3148P, 3156P, 4276C
Diffusion membranes, 2470P
2,2′-Dihydroxybenzophenone-3,3′,4,4′-tetracarboxylic dianhydride, 776C
9,10-Dihydro-9-oxa-10-phosphaphanthrene-10-oxide (DOPO), 1542P
Dimethylsulfoxide, 1187P
1,3-Dipolar cycloaddition reaction, 485C
Dipolar echo, 1271P
Dipolar recoupling, 1271P
9,9-Dipropylfluorene, 3243C
Direct methanol fuel cell, 2871P, 5237C
Disorder, 684P, 2535P
Dispersion, 4413C
Dispersion polymerization, 2105C
Dispersions, 460C, 1316C, 1575C, 3477C, 4185C, 5005C, 5590C
Distyrylfluorene, 809C
Dithiocarbamate, 2886C
Divinylbenzene, 3949C
DMA, 41P, 1771P
DMTA, 2673C
Donor–acceptor, 67P, 2978C
Doping, 1150C, 2682P
Double hydrophilic block copolymers, 509C, 5790C
Double-hydrophilic macromonomers, 4720C
Double melting peaks, 1870P
Double yielding, 1217P
Drawing, 2793P, 2850P
Droplet coalescence, 1856P
Drug delivery, 1185C, 3256C
Drug delivery systems, 1349C, 2152C, 2443C, 4091C, 5227C
Dry chitosan membrane, 2620P
Dry–wet phase inversion, 2739P
Drying, 930P
DSC, 1521P, 1771P
Dual mode parameters, 2620P
Dual-melting-peak behavior, 153P
Ductility, 1425P
Dyes/pigments, 349P, 368P, 3626C
Dynamic covalent chemistry, 680C
Dynamic light scattering, 774P
Dynamic mechanical analysis, 698P, 873P, 1662P
Effective chain transfer, 3191C
Effective medium approximation model, 2147P
Effective propagation rate coefficients, 1931C
EL efficiency, 5296C
Elastic modulus, 436P
Elasticity, 2322P
Elastomer, 1205P
Elastomeric crosslink, 1821P
Elastomers, 800P, 1821P, 2123P, 3267C, 3267P, 5529C
Electric field, 1187P
Electric properties, 5573C
Electrical conductivity, 2147P, 2682P
Electrical field, 1898P
Electrical properties, 2097P, 3349C
Electrical property, 1482P
Electrical volume conductivity, 2147P
Electrically conductive composite, 1808P
Electrically insulating materials, 705P
Electro-optic, 3166C
Electro-optical properties, 4144C
Electrochemical, 5932C
Electrochemical polymerization, 3929C
Electrochemical properties, 809C, 1016C
Electrochemistry, 48C, 136C, 1377C, 1394C, 1727C, 2004C, 2073C, 2085C, 2367C, 2880P, 3083C, 3292C, 4291C, 4352C, 4496C, 4921C, 5431C, 5679C, 5932C
Electrochromism, 2787C
Electroluminescence, 809C, 1016C, 1199C, 1632C, 4291C, 4504C, 4661C, 4867C, 4941C
Electromechanical performance, 3207P
Electron affinity, 1236C
Electron beam irradiation, 1068P
Electron beam (EB) irradiation, 850P
Electron microscopy, 815P, 1122P, 2270P, 4514C
Electron pair donors, 3053C
Electron transfer, 1868C
Electron transfer layer, 988P
Electron-transport, 242C
Electrooptic effect, 531C
Electrophilic substitution reaction, 5112C
Electrophilic termination, 2514C
Electrophoresis, 1511P, 2655P
Electrospinning, 766P
Electrospray ionization mass spectrometry, 2453C
Electrospray mass spectrometry (ESMS), 99C
Electrostatic interactions, 1424C
Emissive layer, 4504C
Emulsion copolymerization, 1771C, 3191C
Emulsion droplet interface, 933C
Emulsion polymerization, 69C, 471C, 511P, 521C, 588C, 1038C, 1101C, 1575C, 2304C, 2484C, 3902C, 3912C, 4043C, 4185C, 4193C, 5067C, 5285C, 5583C, 5838C, 5884C
Emulsion templating, 4043C
End-functional polymers, 2514C
End group analysis, 1661C
End-groups, 2453C
Energy transfer, 67P, 388C, 1066C, 3776C, 4773C, 4786C
Entanglements, 1090P
Enzyme, 5968C
Enzymes, 1595C, 5037C, 5942C
Epoxide, 3370C
Epoxides, 3759C, 4331C, 4914C
Epoxy, 989C, 1425P, 1448P, 1470P, 5446C
Epoxy nanocomposite, 1459P
Epoxy resin, 502P, 2142C, 2481P, 2835P, 4514C
Epoxy resins, 1968C, 1980C, 2129C, 4914C
Equation-of-state, 270P
Equation of state (EOS), 2497P
ESCA/XPS, 2390P
ESR, 1127P
ESR/EPR, 1219C
Essential work of fracture, 1418P
Ethanolamine, 2184C
Ethero atoms containing polyesters, 1694P
Ethyl acrylate, 1661C
Ethyl cellulose, 1653C
Ethylene, 2765C
Ethylene dioxythiophene (EDOT), 2328C
Ethylene glycol, 2601C
Ethylene-1-hexene, 3562C
Ethylene–hexene copolymer, 3135C
Ethylene/methyl methacrylate copolymerization, 1134C
Ethylene/octene/methyl methacrylate terpolymers, 5215C
Ethylene/1-pentene copolymers, 2956P
Ethylene polymerization, 3135C, 3415C, 3668C, 5480C
Ethylene/styrene interpolymer, 2136P
Ethylene trimerization, 3562C
Ethylene-vinyl acetate copolymer, 1291P
Ethylene-vinyl alcohol copolymers, 1026P
1,1-Ethylenediol dimethacrylate, 5811C

3,4-Ethylenedioxythiophene, 2787C
5-Ethynyl-*N,N*-dimethyl-naphthalen-1-amine, 437C
5-[(5-Ethynyl-1-naphthyl) ethynyl]-*N,N*-dimethyl-naphthalen-1-amine, 2038C
2-Ethynylpyridine, 5679C
Eu(III), 650C
EVOH, 840P
Excimers, 5296C
Expanded PTFE, 1185C
Experimental and theoretical XPS and XES, 162P
Extrusion, 766P, 1226P
Extrusion polymerization, 4002C

^{19}F and ^{1}H NMR spectroscopies, 1814C
Facilitated transport, 2263P
Fast living polymerization, 1801C
Fatty acid, 5371C
Ferroelectric properties, 2707P
Ferroelectricity, 3207P
Ferrofluid, 3912C
Fibers, 218P, 253P, 766P, 892P, 1535P, 1808P, 2568P
Field-effect transistor, 1303P
Filler, 1037P
Fillers, 571P, 955P, 1808P
Film, 1418P
Film formation, 2918P
Films, 253P, 532P, 822C, 1492C, 1675P, 2085C, 2563P, 2823P, 2918P, 2972P, 3207P, 3505C, 4341C, 5103C
Finite element analysis, 3169P
Finite element method, 1435P
Five-membered cyclic dithiocarbonate, 1170C, 4459C
Flame retardance, 1542P, 1920C, 2023P, 4211C, 4573C
Flame retardant, 2142C
Flame retardency, 1980C
Flaws, 3169P
Flory Huggins theory, 1996P
Flory-Huggins theory, 661P
Fluorene, 4786C, 4804C
Fluorene copolymers, 4773C
Fluorene skeleton, 3073C
Fluorescence, 48C, 341C, 437C, 650C, 756C, 900C, 911C, 920P, 1199C, 1236C, 1336C, 1546C, 1727C, 1956C, 2038C, 2333P, 2886C, 3215P, 3292C, 3380C, 4696C, 4786C, 5123C, 5296C
Fluorescence decay measurements, 2333P
Fluorescent property, 3894C
Fluoride anion, 4430C
Fluoride-releasing, 99C
Fluorinated, 3166C, 5067C
Fluorinated colloids, 1185C
Fluorinated polyester, 5923C
Fluorinated polymers, 1316C
Fluorinated polysiloxanes, 5005C
Fluorinated protein, 1185C
Fluorinated tags, 1185C
Fluorination, 41C
Fluorine, 4421C
Fluoroacrylate, 1585C
Fluorocarbon, 1185C
Fluoropolymer, 1185C, 2601C
Fluoropolymers, 269C, 471C, 975C, 1316C, 1499C, 1637P, 1814C, 2177P, 2519P, 2781P, 2855C, 2860P, 3166C, 3207P, 3231C, 3550C, 3843C, 4421C, 4707C, 5626C
Fluorosurfactants, 1185C
Fluorous media, 1185C
Foams, 2497P, 2890P, 2927P
Focused ion beam (FIB), 677P
Forced Rayleigh scattering, 2823P
Fractionated crystallization, 1138P, 1365P, 1788P
Fractionation of polymers, 1010P, 2546P, 2956P
Fractography, 786P
Fracture, 2563P
Fracture toughness, 1459P, 1470P, 2481P
Free radical copolymerization of allylic acetate, 3191C
Free radical photopolymerization, 3759C, 4331C
Free radical polymerization, 614C, 3626C, 5759C
Free volume, 270P, 2031P
Free-volume, 723P
Freezing point depression, 544P
Frequency dependence, 3207P
Friction, 2441P
Frontal polymerization (FP), 873C, 2204C, 2745C, 4322C, 4331C, 4514C
FTIR, 850P, 1557C, 2046P, 2432P, 2673C, 3135C, 3181P
FT-IR, 16C, 41P, 181C, 349P, 358P, 903P, 925C, 1074C, 1287C, 1589P, 1956C, 2129C, 2494C, 2609C, 2624C, 2682P, 3833C, 4744C, 5446C
FT-NIR, 5626C
FT-Raman and DSC analysis, 850P
Fuel cell, 2989C
Fuel cell membranes, 2177P
Fuel cells, 157C, 284C, 395P, 1325P, 2273C
Fullerene, 2167P, 3273C, 5590C
Fullerene-containing polymer, 5408C
Fullerenes, 1394C, 3124C, 4696C, 5408C
Functional, 3538C
Functional groups, 460C
Functional polymers, 3818C
Functional polynorbornenes, 3391C
Functionalization, 745C, 2514C
Functionalization of polymers, 48C, 59C, 90C, 111C, 269C, 423C, 650C, 949C, 1282C, 1641C, 1727C, 1737C, 2443C, 2624C, 2705C, 2835C, 2913C, 3124C, 3292C, 3370C, 3400C, 3408C, 4043C, 4352C, 4401C, 4545C, 4612C, 4921C, 5182C, 5199C, 5673C, 5731C
Functionalized end-capping, 2959C
Functionalized polyolefin, 1494P

Gas, 2421P
Gas barrier, 1733P
Gas chromatography–mass spectrometry (GC-MS), 1848C
Gas diffusion, 1798P
Gas permeability, 165C, 840P, 2739P
Gas permeation, 262P, 661P, 1390P, 2083P, 2263P, 2620P, 2739P, 3025P, 3156P, 3550C, 4487C
Gas separation membrane, 262P
Gas sorption, 3156P
Gas transport model, 1733P
Gas transport properties, 2083P
Gel, 1187P
Gel permeation chromatography (GPC), 1159C, 1641C, 1860C, 2387C, 2886C, 2947C, 3112C, 3538C, 3588C, 3956C, 4309C, 5017C, 5091C, 5237C, 5470C, 5847C
Gel structure, 1425P
Gelatin, 1511P
Gelation, 3093P, 3257P, 4606C
Gels, 605C, 1166P, 3003P, 3273C
Glass, 627P
Glass fiber, 1448P
Glass transition, 10P, 91P, 181C, 191C, 270P, 342P, 475P, 511P, 873P, 963P, 1198P, 1243P, 1637P, 1878C, 2232P, 2270P, 2519P, 2620P, 2842P, 2897C, 3252C, 4855C, 5103C, 5686C
Glass transition temperature, 1260P, 1845P, 2620P, 4389C, 4421C
Glass-transition temperature, 1662P
Glycidyl methacrylate, 5091C
Glycidyl methacylate, 4612C
Glycolic acid, 815P, 2640P
Glycopolymers, 2059C
Gold nanoparticles, 3570C, 5156C
GPC, 3135C
Gradient copolymers, 1845P
Graft, 295C
Graft copolymer, 848C, 1018P, 1283P, 1653C, 3776C, 5509C, 5824C

Graft copolymerization, 1074C
Graft-copolymerization, 1114P
Graft copolymers, 129P, 395C, 447C, 789C, 1114P, 1889C, 2091C, 2556C, 2655P, 3303C, 3513C, 3659C, 3687C, 3803C, 3818C, 4013C, 4185C, 4394C, 4552C, 5215C, 5318C, 5354C, 5529C
Graft polymerization, 736C, 925C, 4744C
Graft polymers, 873P, 2624C
Graft-from, 3818C
Grafting, 873P, 1143C, 5529C
Grafting from, 3451C
Grafting-from, 5509C
Gravimetric sorption, 1996P
Grazing incidence small angle X-ray scattering, 3263P
Grazing-incidence X-ray diffraction (GIXD), 747P, 1303P
Green chemistry, 1296C
Grind, 1571C
Group transfer polymerization, 5811C
Growth, 2715P
Growth interfaces, 684P
GTP, 2514C

H-shaped polymers, 1055C
Half-titanocene, 3872C
Half-titanocene catalyst, 2765C
Halogen bonding, 1C
Halogenated, 1185C, 1282C
Halogenated resins, 1662P
Hardness, 1114P
HDPE, 3078P
HDPE/PA6 blend, 184P
Head-space solid-phase extraction (HS-SPME), 1848C
Healing, 2918P
Heat resistance, 1425P
Heck coupling, 809C, 4661C
Heck polymerization, 1016C
Heck reactions, 650C
Helical conformation, 500C, 1515C
Helical polymer, 165C
Helical polymers, 981C, 4974C
Helical structures, 981C
Helix, 253C, 1403C, 1691C, 4450C
β-Helix, 239P
Hemiacetal ester, 3370C
Hepatocellular carcinoma, 3256C
Hetero-atom-containing polymer, 4459C
Heteroatom-containing polymers, 866C, 1525C, 1920C, 2855C, 2867C, 3580C, 4211C
N-Heterocyclic carbene, 3042C
Heterocyclic poly(arylene ether ketone)s, 1525C
Heterofunctional initiator, 5164C
Heterogeneity, 3277P
Heterogeneous blends, 79P
Heterogeneous polymers, 5673C
p–n Heterojunction, 2410C
Heterolytic outer-sphere, 1835C
Heterotetrafunctional initiator, 4179C
Heterotetrafunctional initiators, 968C
Hexafluoropropene (HFP), 1814C
Hexene-1, 1093C
High density polyethylene, 1090P
High glass transition temperature, 5103C
High impact polystyrene, 2023P
High magnetite content, 5285C
High performance differential scanning calorimetry (HPer DSC), 2956P
High performance liquid chromatography (HPLC), 2734C
High performance polymer, 661C, 3391C
High performance polymers, 48C, 253P, 269C, 766P, 1525C, 1641C, 1878C, 2004C, 2855C, 2927P, 2937P, 2947C, 2978C, 3083C, 3843C, 4026C, 4352C, 4573C, 4844C, 4921C, 5112C, 5398C
High PL quantum efficiency, 900C
High pressure, 358P, 616P, 1354P
High-pressure crystallization, 2715P
High refractive index, 5606C
High shear stress, 455P
High temperature materials, 1525C, 1727C, 1868C
High vacuum techniques, 2726C
Higher order structures, 218P
Higher-ordered structures, 866C
Hoffman–Lauritzen theory, 2640P
Hole burning spectroscopy, 3277P
Hole-injection property, 341C
Hole mobility, 629C
Hole-transport, 242C
Hollow core/porous shell, 933C
Hollow sphere, 3431C
Hollow structures, 2638C
Homogeneous phase, 5626C
Homolytic inner-sphere, 1835C
Host–guest chemistry, 2287C
Host-guest systems, 1247C, 1788C
Hot-stage optical microscopy, 2640P
HPDLC, 5590C
HPFS, 2880P
Hsyteresis, 3207P
Huggins constant, 1765P
Human hair, 736C
Hybrid, 4264C, 4829C
Hybrid polymer, 2215P
Hydration, 2410P
Hydrazine-based polyimides, 4933C
Hydrogel, 2601C
Hydrogels, 295C, 669C, 1122C, 1683P, 2593C, 2812C, 4091C, 4536C, 5942C
Hydrogen abstraction, 5215C
Hydrogen activation, 5057C
Hydrogen bond, 4118C
Hydrogen bonding, 644P, 3181P
Hydrogen-bond-mediated self-assemblies, 103P
Hydrolysis, 1814C, 3986C, 4818C, 4855C
Hydrolytic stability, 99C
Hydrophilic, 2842P, 4522C
Hydrophilic polymers, 90C, 2646C, 5884C
Hydrophilicity polymer, 3811C
Hydrophobic association, 826P
Hydrophobic azobenzene mesogene, 1354P
Hydrophobic interactions, 2569C
Hydrophobicity, 2441P
Hydrosilylation, 2246C
Hydroxy, 4855C
Hydroxyethyl acrylate (HEA), 873C
Hydroxyl, amine-terminal polymers, 2514C
N-Hydroxysuccinimide, 5618C
Hyperbranched, 26C, 111C, 699C, 1177C, 1474C, 1771C, 1970P, 2287C, 2762P, 2880P, 2998C, 3116C, 3580C, 4249C, 4309C, 4465C, 5112C, 5541C, 5847C
Hyperbranched borate, 3473C
Hyperbranched poly(aryl-alkyl-ether-urea), 2959C
Hyperbranched poly(aryl-ether-urea), 2959C
Hyperbranched poly(aryl-ether-urea) copolymer, 2959C
Hyperbranched poly(ester–urethane)s, 3877C
Hyperbranched poly(ether–urethane)s, 3877C
Hyperbranched polybenzimidazoles, 1150C
Hyperbranched polymer, 709C, 1084C, 5296C
Hyperbranched polymers, 1474C, 2287C, 2959C, 5494C
Hyperbranched polyols, 2673C
Hyperbranched polyurethane copolymers, 3877C
Hyperbranched polyurethanes, 3877C
Hyperelastic modeling, 1713P

IGC, 2015P
Imidoylchlorides, 4656C
Imino-indolide, 3415C

Immiscibility, 864P, 1365P
Immiscible blends, 1365P
Immunoisolation, 4276C
Impact, 2136P
Inclusion chemistry, 1247C, 2503C
Inclusion complexation, 1247C
Inclusion complexes, 125C
Inclusion compound, 1271P
Indentation, 2441P
Infrared dichroism, 654P
Infrared spectrometry, 1848C
Infrared spectroscopy, 317C, 349P, 358P, 460C, 654P, 826P, 930P, 1675P, 1968C, 2246C, 2820C
Inhibited excimer emission, 900C
Inhibition, 745C
Initiators, 460C, 908C, 1260C, 2341C, 2453C, 3494C, 3626C, 5552C, 5559C
Injectable biomaterials, 1122C
Injection molding, 184P, 2948P
Inner sphere homolytic, 1607C
Inorganic fullerene nanoparticles, 2309P
Inorganic materials, 1808P, 3451C
Inorganic polymers, 4786C
In situ blends, 1176P
In situ chemical polymerization, 5741C
In situ nitroxide-mediated polymerization, 1219C
In-situ polymerization, 28P
in-situ polymerization, 2614P
Interaction, 1018P, 2263P
Intercalating agent, 2664P
Interchange reaction, 1176P
Interdiffusion, 2918P
Interfaces, 566C, 1291P, 1313P, 2060P, 2113P, 2918P, 2972P, 3169P, 3231P, 3237P, 4995C
Interfacial energy, 2729P
Interfacial tension, 2729P
Intermolecular interaction parameters, 2580P
Intermolecular transesterification, 1944C
Interpenetrating networks (IPN), 768C, 3759C, 4331C
Interpenetrating polymer networks (IPN), 963P
Intrinsic viscosity, 1765P, 1976P
Inverse miniemulsion, 4764C
β-*i*PP, 1704P
*i*PP/EPR, 1704P
Ion beam, 2993P
Ion beam irradiation, 262P
Ion exchange, 1252P
Ionic gel, 1683P
Ionic liquid, 1143C, 3986C, 5857C
Ionic liquid monomers, 2745C, 3009C
Ionic liquids, 4168C
Ionic polymers, 3009C
Ionic strength, 1683P
Ionomer, 395P
Ionomers, 157C, 269C, 1045P, 2177P, 3747C, 4879C, 5005C
Iridium complexes, 1746C
Iron catalyst, 758P
Iron (II) complex, 5057C
Iron complexes, 4054C
Iron oxide, 4647C
Irradiation, 776C, 2333P, 2432P, 2436C, 2563P, 2624C, 2847C, 5741C
Isobutylene, 1778C, 3053C
Isobutyramide, 1177C
Isocyanate ended prepolymer, 3034P
Isoionic dilution, 1765P
Isomer effect, 4933C
Isophthalic aramids, 2083P
Isoprene, 2400C
Isotactic, 1198P, 1304C, 3032C, 3150C, 3599C, 3941C, 5470C, 5731C
Isotactic polyolefins, 684P
Isotactic polypropylene, 590P, 2309P, 2948P
Isotherm, 1996P
Isothermal crystallization, 229P, 590P
Itaconates, 1931C

Karstedt's catalyst, 2246C
Kinetic modeling, 2982P
Kinetic parameters, 2880P
Kinetics, 873C, 1100P, 1835C, 2246C, 3009C, 3098C, 3922C, 5509C, 5722C
Kinetics (polym.), 374C, 699C, 822C, 873C, 1093C, 1100P, 1219C, 1287C, 1835C, 1944C, 2015C, 2105C, 2194C, 2246C, 2400C, 2468C, 2745C, 3009C, 3053C, 3098C, 3620C, 3626C, 3843C, 3922C, 3956C, 4062C, 4100C, 4322C, 4829C, 4829C, 4995C, 5057C, 5494C, 5509C, 5697C, 5722C, 5748C
Kinetics (polym.) Mark-Houwink-Kuhn-Sakurada parameters, 1931C
Kinetics (polymer), 5770C
Kinetics (polymerization), 1463C
Kinetic simulation, 1835C

Lab-on-a-polymer, 1578P
Lactones, 429C, 1968C, 2129C
Lamellar, 677P, 1122P, 1217P, 1834P, 1959P, 4891C
Lamellar phase, 4891C
Langmuir, 2007P
Lanthanide phenoxide, 1210C
Lanthanide triflate, 2316C
Lanthanide triflates, 2129C
Lanthanide–crown ether interactions, 1788C
Large strains, 1090P
Laser microscopy, 3851C
Late transition metal, 4733C
Latent initiators, 2820C
Latent polymerization, 1388C
Lateral substituents, 2835P
Latexes, 1463C
Latices, 3062C
Lattice models, 1898P
Lattices, 1003P, 2484C
Layer aggregates, 1733P
Layer growth, 532P, 2835C
Layered double hydroxides, 28P
LB films, 3300P
LCP, 429P
Lectin, 3204C
Lewis acid, 543C, 3370C
Light-emitting diodes (LED), 67P, 136C, 211C, 330P, 341C, 756C, 809C, 900C, 1016C, 1199C, 1236C, 1492C, 1632C, 1727C, 1746C, 2048C, 2073C, 2259C, 2925C, 2938C, 3380C, 3440C, 4291C, 4377C, 4465C, 4661C, 4867C, 4941C, 5296C, 5541C, 5957C
Light-emitting films, 4804C
Light-emitting materials, 111C
Light-emitting polymer, 1016C
Light-emitting polymers, 809C, 4249C
Light scattering, 509C, 920P, 1109C, 1333P, 1578P, 3513C, 3833C
d-Limonene, 3150C
Linear, 911C, 2497P, 4901C, 5112C
Linear homopolymer, 3342C
Linear low density polyethylene, 1010P
Linear viscoelastic functions, 91P
Liquid chromatography, 3811C
Liquid crystal, 2187P
Liquid crystalline epoxy, 3116C
Liquid crystalline epoxy resin, 3922C
Liquid-crystalline epoxy resins, 727C
Liquid crystalline methoxy-poly (aryl ether ketone), 3011P
Liquid crystalline polymer, 3263P, 4564C
Liquid-crystalline polymer, 3922C
Liquid crystalline (LC) polymer, 3342C
Liquid crystalline polymers, 2835P, 2998C
Liquid crystals, 981C, 1377C, 2835P
Liquid-crystalline polymers (LCP), 666P, 981C, 1899C, 2225C, 2543C, 3011P, 3116C, 3267P, 4804C, 5190C, 5949C
Liquid-crystalline property, 5190C
Literature survey, 1917P
Lithiation, 269C

Lithography, 661C
Living anionic polymerization, 2514C
Living carbocationic copolymerization, 1778C
Living cationic polymerization, 1801C
Living free-radical polymerization, 1575C
Living polymerization, 69C, 232C, 416C, 588C, 800C, 1055C, 1159C, 1272C, 1316C, 1575C, 1607C, 1801C, 1835C, 2015C, 2059C, 2113C, 2194C, 2212C, 2400C, 2484C, 2576C, 2609C, 2847C, 3249P, 3513C, 3707C, 3803C, 4100C, 4389C, 4459C, 4795C, 4818C, 4855C, 4950C, 5067C, 5091C, 5371C, 5420C, 5470C, 5949C
"Living" polymerization, 2341C
Living polymerization < L, 4300C, 4684C
Living radical dispersion polymerization, 348C
Living radical polymerization, 1316C, 5387C
Living-radical polymerization, 5487C
Living radical polymerization RAFT, 3098C
LLDPE, 3562C
LLDPE resin, 639C
Loading, 3431C
LOFS, 2880P
Low dielectric constant nanocomposite, 1482P
Low-loss, 3166C
Low molecular weight hydrocarbon substrate, 5215C
Lower critical solution temperature, 1177C
Luminescence, 67P, 136C, 211C, 330P, 809C, 900C, 1236C, 2004C, 2048C, 2259C, 3292C, 3440C, 4377C, 4588C, 4773C, 4867C, 5679C
Lung surfactant, 1185C
L-Lysine, 5494C

Macrocycles, 1507C, 1699C, 1788C
Macroinitiator, 3129C, 4037C, 5509C
Macromolecular chain-transfer agents, 361C
Macromolecular relaxation, 184P
Macromonomer, 614C, 4013C
Macromonomers, 395C, 848C, 2646C, 4394C, 5022C, 5237C
Macroporous polymers, 4043C
Magnesium chloride supports, 4054C
Magnesium hydroxide, 2023P
Magnetic composite latex, 3912C
Magnetic nanoparticles, 925C, 4744C
Magnetic polymer, 5285C
Magnetic polymers, 521C, 3062C
MALDI, 1699C, 1944C, 2161C, 2380P, 2734C, 2847C, 3851C, 4168C, 4309C, 5215C
MALDI-TOF MS, 2514C
MALDI-TOF-MS analysis, 1661C
Maleimide, 2774C, 3722C
Maleimide polymer, 4545C
Malononitrile, 4082C
MASI, 5618C
Mass spectrometry, 2847C
Mechanical degradation, 455P
Mechanical properties, 286P, 299P, 436P, 786P, 800P, 840P, 892P, 945P, 1114P, 1150C, 1176P, 1243P, 1425P, 1435P, 1459P, 1882P, 1956C, 1976P, 2097P, 2123P, 2215P, 2270P, 2316C, 2481P, 2568P, 2770P, 3267C, 3267P, 3349C, 4026C, 4118C, 4193C, 4276C, 4671C, 5005C, 5398C, 5552C
Mechanical property, 1482P
Mechanical strength, 2509P
Meldrum acid, 2316C
Mellitic acid dianhydride, 1641C
Melt, 627P, 684P, 3240P, 5899C
Melt crystallization, 466P
Melt-mixed blends, 1176P
Melt polycondensation, 310P, 2184C
Melt transition, 191C
Melt transurethane, 2351C
Melting and crystallization temperatures, 2956P
Melting point, 196P, 639C, 2201P, 3231P
Melting properties, 800P
Membrane, 153P, 661P, 1150C, 2263P
Membrane morphology, 2813P
Membrane preparation, 3025P
Membrane structure, 2739P
Membrane thickness, 2509P
Membranes, 157C, 269C, 295C, 308C, 666P, 1325P, 1907P, 2007P, 2083P, 2273C, 2620P, 2739P, 3025P, 3361P, 4276C, 4487C
Mesogen-jacketed liquid-crystalline polymer, 830C
Mesogen-jacketed liquid-crystalline polymers, 2543C
Mesogenic unit, 3922C
Mesoporous materials, 4002C
Metal halide catalysts, 1801C
Metal-organic catalysts, 4950C
Metal-organic catalysts/organometallic catalysts, 1134C, 2400C, 3637C, 4733C, 5209C
Metal oxide clusters, 2215P
Metal-polymer complexes, 650C, 1109C, 1746C, 1788C, 2263P, 3181P, 3303C
Metallic luster, 1507C
Metallo-polymers, 3243C
Metallocene, 4901C
Metallocene catalysts, 1364C, 1677C, 2581C, 3150C, 3872C, 4581C, 5480C, 5731C
Metallocene polymerization, 639C
Metallocenes, 4002C
Metathesis, 3494C, 5731C
Methacrylamidoethyl phosphonic acid, 99C
Methacrylate, 5067C
Methacrylic acid, 566C
Methacrylic acid 4-(2-benzoxazol)-benzyl ester (MABE), 3894C
2-Methoxyethyl acrylate, 333C
N-Methylaniline-blocked polyisocyanates, 1557C
Methyl methacrylate, 1996P, 2194C, 2886C, 3098C, 5722C
Methyl methacrylate-butyl acrylate copolymer, 1996P
Methylaluminoxane, 1677C, 3872C
$MgCl_2$ supported catalysts, 5057C
$MgCl_2$-supported catalysts, 3941C
Micellar copolymerization, 826P
Micelles, 1122C, 1316C, 1333P, 1446C, 2410P, 2638C, 2664P, 3338P, 3570C, 4091C, 4204C, 4764C, 5022C, 5256C, 5354C
Micelles-reversible addition fragmentation chain transfer, 5156C
Michael addition, 4118C
Michael addition polymerization, 4309C
Microcellular, 173P, 2890P
Microencapsulation, 1038C, 2152C, 4129C, 4413C, 5285C
Microfibrils' flexibility, 1205P
Microgels, 3833C
Microphase separated structure, 208P
Microrheology, 2555P
Microspheres, 2755C, 3482C
Microstructure, 286P, 1243P, 2351C, 2400P, 2503C, 2657C, 2823P, 2842P, 3003P, 4733C, 5408C, 5916C
Microwave, 3659C, 5857C
Microwave irradiation, 416C, 5371C
Miktoarm star block copolymers, 968C, 4179C
Miktoarm star copolymers, 1159C
Miktoarm star terpolymers, 3588C
Miktoarm stars, 2387C, 5164C, 5387C
Miniemulsion, 1413C, 5067C, 5285C

Miniemulsion polymerization, 471C, 511P, 1028C, 1585C, 5800C
Miniemulsions, 69C, 4995C
Miscibility, 18P, 1552P, 1959P, 2580P, 2899P, 3003P, 3148P
Mixed gas permeation, 2620P
Mixed polymer brush, 5329C, 5759C
MMA, 1996P
Model triblock copolymers, 2726C
Modeling, 429P, 1010P, 1399P, 1882P, 1996P, 2147P, 3620C
Models review, 1713P
Modification, 460C, 736C, 882C, 949C, 1007C, 1324C, 2184C, 2747P, 2781P, 2947C, 4161C, 4477C, 5459C, 5529C, 5968C
Modified aluminoxanes, 1677C
Modulus, 2123P
Moisture, 1217P
Molar mass distribution, 3135C
Mold temperature, 1217P
Molecular aggregation structure, 800P
Molecular brush, 3818C
Molecular dynamics, 884P, 1271P, 1882P, 2161P, 3240P, 3277P
Molecular dynamics simulations, 1599P
Molecular imaging, 1185C
Molecular imprinting, 1377C, 1911C
Molecular mechanics, 5339C
Molecular modeling, 627P, 1380P, 1821P, 4240C
Molecular orbital calculation, 2184C
Molecular orientation, 349P, 2793P
Molecular recognition, 1C, 5031C
Molecular structure, 1418P
Molecular weight, 976P, 1090P, 1272C, 1303P
Molecular weight distribution, 1260C, 2212C, 3135C, 5722C
Molecular weight distribution/ molar mass distribution, 2105C, 2304C, 5057C
Molecular weight distribution/ molecular mass distribution, 3053C
Molecular-chimera, 3570C
MolecularDiamond, 1077P
Monoclinic and orthorhombic lattices, 1026P
Monolayer, 745C
Monolayers, 3505C
Monoliths, 4043C
Monomer reactivity ratio, 1993C, 2774C
Monomers, 99C, 1996P, 3986C, 4026C, 4597C, 4671C, 5365C
Monoterpenes, 3150C
Monte Carlo simulation, 374C, 2212C, 3112C, 3319P, 3349P
Montmorillonite, 1733P
Morphology, 18P, 196P, 284C, 368P, 420P, 429P, 532P, 571P, 864P, 882C, 1028C, 1038C, 1122P, 1152P, 1535P, 1733P, 1917P, 2023P, 2105C, 2136P, 2277P, 2351C, 2481P, 2484C, 2593C, 2614P, 2638C, 2657C, 2664P, 2707P, 3062C, 3263P, 3311C, 3338P, 3349C, 3359C, 3431C, 3747C, 3811C, 3902C, 3912C, 4043C, 4647C, 4879C, 5590C
Morphology control, 933C
Morphology flammability, 2023P
Motion, 1187P
MSHB, 3277P
MTDSC, 1291P
Multiblock-co-ionomers, 5237C
Multiblock copolymer, 208P
Multiblock copolymers, 284C
Multiblock polymers, 2617C
Multicycles, 5597C
Multilayer hybrid particles, 1028C
Multiple melting peaks, 466P
Multipulse pulsed laser polymerization—size exclusion chromatography (MP-PLP-SEC), 1931C
Multivariate data analysis, 5697C
Multiwalled carbon nanotube, 3349C
Multi-walled carbon nanotube, 2239P, 3137P
Mutual diffusivity, 1996P

Nafion, 2177P
Nafion orientation, 2509P
Naked-eye detection, 4430C
Nanocomposite, 28P, 502P, 519P, 607P, 1037P, 1283P, 1599P, 2097P, 2232P, 2664P, 3349C, 3477C, 4193C, 4413C, 4647C
Nanocomposite hybrid coatings, 2147P
Nanocomposites, 52P, 125C, 229P, 239P, 511P, 597P, 654P, 705P, 747P, 860P, 995P, 1028C, 1038C, 1068P, 1077P, 1100P, 1243P, 1247C, 1252P, 1291P, 1344P, 1380P, 1494P, 1503P, 1733P, 1781P, 1882P, 2147P, 2167P, 2204C, 2239P, 2270P, 2300P, 2350P, 2441P, 2581C, 2657C, 2747P, 2812C, 3060P, 3137P, 3189P, 3252P, 4264C, 4514C, 5308C, 5583C, 5741C
Nanocomposites, nanofibers, 766P
Nanodroplets, 1788P
Nanofibril, 1303P
Nanogels, 2569C
Nanoheterogeneity, 1653P, 3069P, 3803C
Nanoindentation, 1114P
Nano-indentation, 1511P
Nanolayers, 945P, 1138P, 1788P, 4341C, 5583C
Nanoparticle, 1283P, 2232P, 2284P
Nanoparticles, 511P, 521C, 688C, 1101C, 1143C, 1463C, 1575C, 2097P, 2147P, 2556C, 2812C, 3431C, 3505C, 4647C, 4764C
Nanopore microspheres, 5800C
Nanosilica, 4322C
Nanosize copolymers, 2787C
Nanotechnology, 1114P, 2912P, 3252P, 4037C
Nanotubes, 2912P
Naphthalene, 4661C
Narrow size distribution, 5285C
Natural rubber, 955P, 2966P
NCA, 3218C
Necking, 3327P
Neighboring group participation, 4459C
Nematic ordered cellulose, 2850P
Neodymium borohydride, 2400C
Nerve conduits, 2593C
Network phase, 1932P
Networks, 295C, 299P, 544P, 1683P, 1707C, 3093P, 3267C, 3267P, 3400C, 3408C, 4150C, 4284C, 4804C, 5811C
Neutral nickel catalysts, 3637C
Neutron scattering, 103P, 2196P
Ni-catalyzed polycondensation, 2091C
Ni-plated polymeric particle, 322P
Nickel (α-diimine), 191C, 1093C
Nitrile-butadiene rubber compound, 91P
Nitrone, 1219C
4-Nitrophenylacrylate, 3833C
Nitroxide, 1159C, 2194C
Nitroxide mediated polymerization, 2705C, 5318C, 5487C
Nitroxide mediated radical polymerization, 1055C, 2341C, 3588C, 4013C, 5559C, 5949C
NLO, 531C, 2719C, 3166C
NMR, 191C, 405P, 1003P, 1271P, 1474C, 2177P, 2380P, 2400C, 2673C, 2734C, 2897C, 2947C, 3022C, 3833C, 3843C, 4635C, 5091C, 5149C, 5237C, 5339C, 5636C
NMR spectroscopy, 1474C
Non-aqueous emulsion, 1101C
Noncrystalline polymers, 4581C
Nondoped, 4867C
Nonisothermal crystallization, 976P, 1503P
Nonlinear optic, 3166C

Nonlinear polymers, 873C, 2719C, 3112C
Norbornadiene, 2978C
Norbornene, 2765C, 3022C, 3415C, 4597C, 4733C
5-Norbornene-2-carboxylic acid alkyl ester, 3042C
NSHB, 3277P
Nuclear magnetic resonance (NMR), 826P, 1814C
Nucleating agent, 2167P
Nucleating agents, 1564P, 1788P
Nucleation, 590P, 1138P, 1365P, 1503P, 1788P, 2167P
Nucleophilicity, 1260C
Numerical simulations, 3327P
Nylon, 794P, 963C, 1176P
Nylon-6, 1494P
Nylon-6,6, 253P

1-Octadecyl-3-methylimidazolium chloride ([C18mim]Cl), 1252P
Olefin, 2263P
Olefin polymerization, 3042C
Oligomers, 395C, 543C, 911C, 1170C, 1878C, 1956C, 1983P, 4054C, 4168C, 4786C, 4844C, 5487C
Oligo(phenylenevinylene), 4504C
Oligothiophenes, 1066C
One-pot technique, 3588C
One-shot method, 800P
Open circuit voltage, 988P
Open-cell foams, 436P
Ophthalmic application, 308C
Optical limiting, 3273C
Optical loss, 5923C
Optical plastics, 4389C
Optical polymer, 5923C
Optical properties, 756C
Optical property, 3073C
Optical resolution, 3722C
Optically active polymer, 1304C
Optically active polymers, 866C
Optics, 531C
Ordered structure, 1333P
Organic electroluminescence, 1746C
Organic montmorillonite, 519P
Organic optoelectronics, 41C
Organic photovoltaics, 317C
Organic–inorganic hybrid, 3273C
Organic–inorganic hybrids, 1152P
Organoaluminum, 5209C
Organoclay, 995P, 5583C
Organoclay dispersion, 3084P
Organometallic catalyst, 437C
Organometallic catalysts, 3032C, 3739C, 4054C, 5636C
Organometallic polymers, 3311C
Organomontmorillonite, 1252P
Orientation, 377P, 1205P, 1808P, 1834P, 1950P, 1959P, 2632P, 2707P, 2850P, 3237P, 5380C
OTFT, 5277C
Outer sphere heterolytic, 1607C
Oxadiazole, 242C, 3083C
Oxazolidine, 4965C
Oxetane, 709C
Oxetane-resin, 709C
Oxetanes, 3759C, 4331C
Oxidation, 460C, 963C, 2328C
Oxidative polymerization, 848C, 999C, 5277C
Oxyethylene, 4671C
Oxygen delivery, 1185C
Oxygen permeability, 308C
Ozone, 949C

Palladium–chlorotrimethylsilane, 437C
Parameters identification, 1713P
Parametric study, 1435P
Particle nucleation, 348C, 2161P
Particle size, 2105C, 3833C
Particle size distribution, 348C, 1463C, 2097P, 5884C
Particle tracking video microscopy, 2555P
Particles, 1316C
Payne effect, 2594P
Pazufloxacian mesilate, 2152C
Pd (II) catalyst, 3391C
Pd/Me_3SiCl, 2038C
PDLC, 4144C
PDMS–MDI–PEG, 208P
PEC, 4129C
PEEKT, 2481P
PEGylation, 2655P
Pendent groups, 4671C
Pendent polymer, 1641C
Pentaerythritol, 1737C
Penultimate effects, 1778C
PEO-PPO-PEO triblock copolymer-SDS mixed micelles, 2410P
Peptides, 2646C, 3178C, 5365C
Percolation, 1037P, 2535P
Percolation behavior, 3078P
Percolation network, 229P
Perfluoroalkyl compounds, 1185C
Perfluoroisopropenyl ester, 908C
Perfluoro(4-methyl-3,6-dioxaoct-7-ene) sulfonyl fluoride (PFSVE), 1814C
1*H*,1*H*-Perfluorooctylamine, 253P
Permeability, 1733P, 1798P, 4276C
Permeation, 2421P
Permselectivity, 2421P
Peroxide, 5215C
Peroxides, 2453C
Persistent radical effect, 374C
PET, 735P
PH responsive block copolymers, 5790C
Phase behavior, 129P, 270P, 429P, 936P, 1694P, 1898P, 2196P, 2948P, 3011P, 3285P, 3386P, 4091C
Phase diagram, 2277P
Phase diagrams, 18P, 1898P
Phase morphology, 2948P
Phase separation, 153P, 284C, 444P, 557P, 698P, 800P, 1521P, 1707C, 2912P, 3034P, 3231C, 3811C, 4129C, 4879C, 5005C
Phase-transfer catalyst, 4413C
PHB, 1564P
PHBV, 1564P
Phenothiazine, 4291C, 4867C, 5266C
Phenothiazine-*S*,*S*-dioxide, 1236C
Phenoxy-based titanium catalysts, 59C
Phenylethynyl, 4844C
Phenyl-ring flip, 1271P
N-Phenylsubstituted aromatic polyamides, 4656C
Phillips polymerization catalyst, 3135C
P-HPMA hydrogel, 2593C
Phosphole, 2867C
Phosphonation, 269C
Phosphorescent, 1492C
Phosphoric acid, 2989C
Phosphorous-bridged bisphenoxy ligand, 3668C
Phosphorus-containing, 2142C
Photo initiated free radical polymerization, 3482C
Photo reactive effects, 3116C
Photoacid generators, 661C
Photochemistry, 576C, 776C, 1868C, 2026C, 2443C, 2494C, 2876C, 2978C, 4401C, 4914C
Photocleavable linker system, 2443C
Photocrosslinkable chromophores, 531C
Photodimerization, 1670C
Photografting, 2421P, 2624C
Photoinduced anisotropy, 1899C
Photoinduced atom transfer radical polymerization, 1771C
Photoinitiator, 423C
Photoinitiators, 3280C
Photoisomerization, 3460C
Photoluminescence, 920P, 1632C, 1860C, 2004C, 2682P, 4564C, 5679C
Photolysis, 1868C
Photon transmission technique, 2918P
Photonic band gap (PBG), 2993P
Photophysical properties, 911C
Photophysics, 67P, 809C, 920P, 1016C, 1481C, 1619C, 2333P, 3776C, 4661C, 4773C
Photopolymerization, 16C, 18P, 576C, 768C, 822C, 1152P, 1287C, 1324C, 1956C, 2161C, 2436C, 2494C, 2624C, 2774C, 3009C, 3280C, 3482C, 3482C,

3759C, 4062C, 4804C, 4829C, 4914C, 5091C, 5103C, 5446C
Photoreactive effects, 1296C, 2436C
Photoresist, 661C
Photoresists, 776C, 1296C
Photoresponsive property, 5190C
Photosensitive polyimides, 776C
Photosensitive polymers, 661C
Photostability, 1868C
Photovoltaic cell, 988P
Phthalazinone, 975C, 1525C
Pickering suspension polymerization, 5759C
β-Pinene, 3739C
PIPS, 4144C
Plasticization, 873P
Plasticized poly(vinyl chloride), 903P
Plasticizers, 1970P
Plastics, 4581C
PLED, 3243C
PLLA, 1870P
PMEPL, 2380P
PMMA, 358P, 436P, 2097P, 2514C, 2580P
PMOTAC, 2655P
P–n diblock oligomers, 1066C
Polar monomers, 59C
Polarized FTIR, 1950P
Polarized optical microscopy, 5387C
Pole figure, 2793P
Polyacetylene, 5679C
Polyacetylenes, 253C, 437C, 500C, 1515C, 1691C, 4450C, 4487C, 4974C, 5431C
Polyacrylates, 884P, 4684C
Poly(acrylates), 2745C
Poly(acrylic acid), 2421P
Polyacrylonitrile, 1272C
Polyaddition, 3370C, 4421C
Polyaddition reaction, 709C
Poly(alkoxyvinylsilane)
Polyamide, 138P, 607P
Poly(amide amic acid)s, 2937P
Poly(amide imide)s, 2937P
Polyamide 6, 840P, 1448P
Polyamide-6, 349P, 1976P
Polyamides, 116P, 253P, 840P, 963C, 1217P, 2184C, 2603P, 3129C, 4026C, 4322C, 4352C, 4671C, 5398C, 5494C
Poly(amidoamine) dendrimer, 2569C
Polyamines, 699C, 2083P, 3292C
Poly(α-amino acid)s, 543C
Poly(3-aminophenylboronic acid) thin films, 1911C
Polyampholytes, 2468C
Polyaniline, 1127P, 1424C, 3902C, 4751C, 5741C
Poly aromatic, 4249C
Polyaromatics, 548C, 999C, 1868C, 2038C, 2184C, 3648C
Poly(aryl ether ether ketone), 3011P
Poly(aryl ether ketone) (PAEK), 173P, 4844C
Polyarylates, 2004C, 3156P
Poly(arylene ether sulfone), 284C
Poly(arylene thioether), 3073C
Polybenzimidazole, 2989C
Polybenzobisoxazoles, 1868C
Polybenzobisthiazoles, 1868C
Polybenzoxazine, 644P, 999C
Polybenzoxazine precursors, 1878C
Polybenzoxazole, 661C
Polybutadiene, 342P, 627P
Polybutadiene-1,4, 2726C
Poly[2,5-bis(4′-alkoxycarbonylphenyl) styrene], 830C
Poly(butylene adipate-*co*-terephthalate), 1503P
Poly(butylene naphthalate), 1694P
Poly(butylene succinate-*co*-propylene succinate)s, 420P
Poly(butylene terephthalate), 229P, 1344P, 2239P
Polycaprolactone, 3137P
Poly(ε-caprolactone), 557P, 1247C, 1365P, 2201P, 2350P, 2556C, 3659C, 3975C, 5076C
Polycarbonate, 5050C
Polycarbonates, 79P, 1077P, 1271P, 1737C, 2152C, 2187P, 5518C, 5857C
Polycations, 2655P
"$a_2 + b_4$" Polycondensation, 1699C
Polycondensation, 48C, 262C, 543C, 548C, 576C, 882C, 975C, 1101C, 1403C, 1525C, 1595C, 2998C, 3093P, 3129C, 3851C, 4154C, 4352C, 4573C, 4656C, 4671C, 4751C, 4921C, 5597C, 5899C, 5979C
Polycyclotrimerization, 4249C
Polydimethylsiloxane, 308C, 2726C
Poly(dimethylsiloxane), 1599P
Poly(*p*-dioxanone), 5552C
Poly(diphenyl ether), 5932C
Polydispersity, 348C
Polydispersity index, 5748C
Polyelectrolyte, 1016C, 1511P
Polyelectrolyte complexes, 4129C
Polyelectrolyte solutions, 3327P
Polyelectrolytes, 1P, 509C, 566C, 666P, 774P, 1166P, 2655P, 2797C, 3003P, 4341C, 5790C
Polyepoxide microspheres, 4612C
Polyester, 4573C
Poly(ester amide), 2184C
Poly(ester amide)s, 116P, 815P, 1595C, 4309C
Polyester film, 5923C
Polyester ionomer compatibilizer, 3084P
Polyesters, 90C, 405P, 429C, 577P, 735P, 747P, 768C, 882C, 1053P, 1101C, 1122P, 1324C, 1344P, 1410P, 1552P, 1675P, 1699C, 1889C, 1944C, 1950P, 2172C, 2184C, 2201P, 2235C, 2239P, 2556C, 2640P, 2719C, 2755C, 2899P, 2978C, 3090C, 3524C, 3611C, 3966C, 4536C, 4656C, 5076C, 5164C, 5518C, 5662C, 5968C
Polyether, 3032C
Poly(ether ether ketone), 2890P
Poly(etherketone), 5112C
Poly(ether ketones), 1525C, 4844C
Poly(ether sulfones), 262C, 269C
Poly(ether sulfone)s, 5597C
Polyethers, 1474C, 2071P, 2273C, 5136C
Polyethoxysilsesquioxane, 3273C
Poly(ethyl methacrylate), 1521P
Polyethyle (PE), 5057C
Polyethylene, 59C, 597P, 723P, 766P, 860P, 1010P, 1134C, 1677C, 1834P, 1848C, 1932P, 2136P, 2390P, 2705C, 2802P, 3078P, 3135C, 3231P, 3415C, 3562C, 4054C, 4477C, 4901C, 5199C, 5480C, 5459C
Poly(ethylene-*co*-acrylic acid), 3659C
Poly(ethylene-*co*-butene) films, 2333P
Poly(ethylene-*co*-vinyl acetate), 2470P
Poly(3,4-ethylene dioxythiophene) (PEDOT), 2328C
Polyethylene fibers, 4002C
Polyethylene fractionation, 1010P
Poly(ethylene glycol), 129P, 1055C, 2225C, 3698C, 3966C, 3975C
Poly(ethylene naphthalene 2,6-dicarboxylate), 1950P
Poly(ethylene oxide), 644P, 4522C, 4720C, 5824C
Poly(ethylene terephthalate) (PET), 747P
Poly(ethylene terephthalate) nanocomposites, 3084P
Poly ethylenimine, 1177C
Polyferrocenylsilane, 758P
Polyfluorene, 67P, 136C, 976P, 1746C, 5296C
Polyfluorenes, 1199C
Poly(fluorenevinylene), 1481C
Poly[(fluorene-2,7-vinylene)-*alt*-(1,4-phenylenevinylene)] derivative, 1016C
Poly(fluorenevinylene)s, 4661C
Polyformals, 975C
Poly(glutamic acid), 3218C

Polyhedral oligomeric silsesquioxane (POSS), 125C, 1247C
Polyhedral oligomeric silsesquioxanes (POSS), 4514C, 2201P
Polyhexene, 3599C, 5470C
Poly(*n*-hexyl isocyanate), 2387C
Poly(*n*-hexyl methacrylate), 129P
PolyHIPE, 4043C
Polyhydroxybutyrate, 1917P
Poly(2-hydroxy ethyl methacrylate) (PHEMA), 4764C
Polyimidates, 4656C
Polyimide, 1641C, 2344P, 3349C
Polyimide photoresists, 776C
Polyimides, 157C, 222C, 262P, 776C, 1325P, 1707C, 2367C, 2797C, 2897C, 2937P, 3550C, 3747C, 4161C, 4844C, 4933C, 5606C
Polyimides with *o*-nitrobenzyl side groups, 776C
Polyimines, 2739P, 4751C
Polyisobutylene, 5636C
Polyisocyanides, 981C
Polyisophthalamides, 4026C, 4671C
Poly(*N*-isopropylacrylamide), 4720C
Poly(*N*-isopropylacrylamide-*co*-acrylic acid), 955C
Poly(lactic acid), 218P, 616P
Poly(L-lactic acid) (PLLA), 892P
Polylactide, 1100P, 1737C, 2770P, 3189P, 5227C
Poly(lactide), 1114P, 2167P, 3966C
Poly(lactide-*co*-ε-caprolactone), 2755C
Poly(D,L-lactide), 688C, 4536C
Poly(D,L-lactide-*co*-glycolide), 4536C
Poly(L-lactide), 466P
Polymacromonomers, 4720C
Polymer, 745C, 2015P
Polymer blend, 138P
Polymer blends, 67P, 644P, 903P, 1917P, 2614P
Polymer brushes, 566C, 1575C
Polymer dispersed liquid crystals, 1898P
Polymer electrolyte, 1018P, 3181P
Polymer electrolyte fuel cell membrane, 2813P
Polymer electrolyte membrane fuel cell, 5237C
Polymer electrolyte membranes, 2797C
Polymer etching, 2993P
Polymer light-emitting diodes, 4773C
Polymer–metal complexes, 1589P
Polymer monolith, 3811C
Polymer morphology, 2091C
Polymer nanocomposites, 1870P
Polymer reaction, 3648C
Polymer reaction engineering, 2212C
Polymer solar cells, 629C, 3861C
Polymer supports, 4043C
Polymer synthesis, 165C, 4855C
Polymeric light-emitting diodes, 4504C
Polymeric photoinitiators, 576C
Polymerization, 1860C, 2400C, 2646C, 4377C, 4855C, 4901C, 5339C, 5932C
Polymerization kinetics, 1677C
Polymerization mechanism, 1219C
Polymerization of methyl methacrylate, 2581C
Polymerization temperature, 800P
Polymers, 162P, 1403C, 2638C, 2842P
Polymetallaynes, 3311C
Polymethacrylate, 614C
Polymethacrylates, 1521P, 3025P
Poly(2-methacryloyloxyethyl phosphorylcholine) (PMPC), 688C
Poly[2-methoxy-5-(2′-ethyl-hexyloxy)-1,4-phenylenevinylene], 4504C
Poly(methyl acrylate), 4364C
Poly(methyldecylsiloxane), 2246C
Poly(*N*-methylolacrylamide) (PNMA), 4322C
Poly(methyl methacrylate), 920P, 1055C, 2161C, 2375C, 5308C
Poly(methyl-d_3 methacrylate-d_5), 2161C
Poly(methyl methacrylate) films, 2333P
Poly(4-methyl-1-pentene), 153P
Polymorphism, 196P, 1026P, 1494P, 1625P, 1755P
Polynorbornene, 3042C
Polyoctene, 3599C
Polyolefin elastomer, 5529C
Polyolefins, 447C, 1677C, 2333P, 3022C, 3042C, 3150C, 3391C, 3599C, 3637C, 4581C, 4733C, 5199C, 5215C, 5529C
Poly(α-olefin)s, 191C
Poly(2-oxazoline), 416C, 5371C
Poly(oxyethylene), 475P
Polyoxymethylene (POM), 1234P
Polypeptides, 239P, 1889C, 3570C
Polyphenanthrene, 3929C
Polyphenylene, 1632C
Poly(*p*-phenylene), 284C
Poly(phenylene oxide), 1868C
Polyphenylenevinylene, 1632C
Poly(phenylenevinylene-*alt*-fluorenevinylene, 1481C
Polyphosphonate, 4573C
Polyphosphoric acid, 5112C
Polypropylene, 455P, 607P, 1074C, 1138P, 1226P, 2300P
β Polypropylene, 2674P
Polypropylene films, 2421P
Polypropylene melt intercalation, 1252P
Polypropylene/polyamide-6 blend transformation, 2674P
Poly(phosphonates), 1349C
Poly(phthal azine), 262C
Poly[2,2-propane-(bisphenol) carbonate]/acrylonitrile butadiene styrene (PC/ABS), 1542P
Poly(propiolactones), 2380P
Poly(propyl methacrylate), 1521P
Poly(propylene) (PP), 590P, 705P, 1068P, 1077P, 1364C, 1365P, 1435P, 1616P, 1704P, 1788P, 2497P, 3349P, 3941C, 5731C
Poly(propylene succinate), 5076C
Poly(pyridazine), 262C
Poly pyrroles, 4647C
Polyrotaxane, 1571C, 4154C
Polyrotaxanes, 125C, 1247C
Polysaccharides, 2172C, 3112C, 3124C, 3257P, 3851C, 4185C
Polysilanes, 2880P
Polysiloxanes, 295C, 299P, 1170C, 1599P, 1707C, 2747P, 3267P, 3273C, 3747C, 4240C
Polysilsesquioxanes, 5308C
Polystyrene, 10P, 232C, 377P, 447C, 942C, 1055C, 1159C, 1198P, 1219C, 1226P, 1282C, 1625P, 1733P, 1781P, 2023P, 2136P, 2161C, 2212C, 2252P, 2284P, 2333P, 2688P, 3078P, 3375P, 3488C, 3648C, 3803C, 4082C, 4150C, 4364C, 5285C, 5487C, 5800C, 5824C
Poly(styrene-*b*-acrylic acid), 4623C
Polystyrene-*b*-poly (2-vinylpyridine), 3949C
Poly(styrene-*co*-*n*-butylacrylate), 322P
Polystyrene films, 2333P
Poly(styrene sulfonate), 1316C
Poly(styrenesulfonate), 3698C
Poly(substituted methylene) synthesis, 1536C
Polysulfones, 269C
Polythiophene, 41C, 1303P, 4588C
Poly(tartaramide)s, 116P
Poly(*tert*-butyl acrylate), 1055C
Poly(tetrafluoroethylene) (PTFE), 2624C
Poly[(1,1,3,3-tetramethyl-disiloxanyl)ethylene], 2246C
Poly ureas, 5398C
Polyurethane, 444P, 557P, 654P, 2673C, 2747P, 3902C, 5590C
Polyurethane degradability, 4109C
Polyurethane hydrolysis, 4109C

Polyurethanes, 768C, 800P, 1418P, 1557C, 2123P, 2351C, 2689C, 3231C, 3359C, 3400C, 3408C, 4109C, 4965C, 5649C
Polyurethaneurea, 5005C
Poly(urethane urea), 3034P
Poly(vinyl acetate), 447C, 2918P, 5583C,
Poly(vinyl alcohol) (PVA), 81C, 1187P, 2657C, 3256C, 4536C
Poly(vinyl chloride) (PVC), 577P, 1552P, 2503C, 3872C, 5408C
Poly(vinyl ethers), 3178C
Poly(vinyl methyl ether), 1521P, 2899P
Poly(vinyl pyrrolidone), 1589P
Poly(vinylidene fluoride), 949C, 1917P, 2793P
Poly(vinylidene fluoride-*co*-hexafluoropropylene), 79P
Poly(N-vinylimidazole), 1683P
Poly(4-vinylpyridine), 1159C, 2617C
Poly(*m*-xylylene adipamide), 2982P
Positive temperature coefficient of resistance (PTCR), 322P
Positive-type polyimide photoresists, 776C
Positron annihilation lifetime spectroscopy, 2031P
POSS, 502P, 4264C
Potassium catalyst, 3975C
PPO, 1821P
Precipitation, 735P
Precipitation copolymerization, 3833C
Precipitation polymerization, 955C, 3482C
Preparation method, 1704P
Prepolymer method, 800P
Pressure relaxation, 3375P
Pressurizable dilatometer, 3375P
Processing, 1834P
N-propargylphosphonamidate, 1515C
N-Propargylsulfamide, 500C
Properties, 4026C
Protein, 1911C
Protein adsorption, 208P
Protein molecular imprinting, 1911C
Proteins, 509C, 2646C, 2655P, 3257P
Proton conductivity, 222C, 395P, 1325P, 2273C, 2797C
Proton exchange membrane, 2871P, 2989C, 4879C
Proton-conducting membranes, 2624C
Proton-conducting polymers, 157C
Proton-exchange membrane, 2273C
Proton-exchange membrane fuel cells, 269C
Proton-exchange membranes, 284C
Protonation, 2367C
PROXYL, 5431C
PS-*b*-PEO-*b*-PS, 2015P
Pseudopolyrotaxane, 1571C
PTC effect, 3078P
PTFE, 138P
PVA, 1653P
PVC, 903P, 1970P
PVDF, 1653P, 2580P
Pyrene, 4661C
1-Pyrenecarboxylic acid, 920P
Pyrolysis, 3473C
Pyrolysis/mass spectrometry, 2184C

Quadricyclane, 2978C
Quantum chemistry, 232C, 1599P, 1607C, 1983P, 4950C
Quantum efficiency, 920P
Quartz crystal microbalance, 616P

Radiation, 1074C, 3482C, 5916C
Radical copolymerization, 1814C
Radical graft polymerization, 5215C
Radical polymerization, 26C, 69C, 232C, 588C, 800C, 826P, 830C, 873C, 942C, 955C, 1159C, 1272C, 1463C, 1835C, 1931C, 2015C, 2194C, 2304C, 2453C, 2745C, 2787C, 2827C, 2842P, 3009C, 3280C, 3400C, 3482C, 3488C, 3620C, 3648C, 3722C, 3843C, 4150C, 4185C, 4322C, 4364C, 4394C, 4441C, 4545C, 4597C, 4795C, 4891C, 5329C, 5487C, 5626C, 5731C
Radical polymerization < R, 4684C
Radioprotectors, 1349C
RAFT, 242C, 4144C, 5618C
RAFT/MADIX polymerization, 3256C
RAFT polymerization, 4204C, 4225C, 5354C, 5380C
Raman polarization measurements, 2509P
Raman spectroscopy, 460C, 1536C, 2972P, 5697C
Random copolymers, 310P, 2083P
Rare earth, 388C, 3611C
Raspberry-like, 1028C
Rate-accelerating, 4082C
Rayleigh instability, 3327P
γ-rays, 2609C
Reaction order, 3053C
Reactive diluents, 4844C
Reactive extrusion, 5215C
Reactivity ratio, 1814C
Reactivity ratios, 1778C
Real-time FTIR, 1778C
Real-time imaging, 2368P
Recognition, 1185C
Recycling, 1324C, 3169P
Redox polymers, 2085C, 3083C
Reductive amination, 2172C
Refractive index, 1390P, 5781C, 5923C
Refractive-index, 4421C
Regioregular poly(3-hexyl thiophene) (RR P3HT), 1303P
Relaxation, 342P, 627P, 705P, 1271P, 1410P, 1932P, 2177P, 2252P, 2890P, 3046P, 3375P
Relaxation transitions, 873P
Renewable resource, 2664P
Renewable resources, 3150C, 5371C, 5979C
Reorganization, 735P
Resins, 873C
Resistivity relaxation, 860P
Resists, 776C
Resorcinarene, 5559C
Retardation spectrum, 3375P
Retardation time, 3620C
Reverse micelles, 2425C
Reversible addition fragmentation chain transfer, 1074C, 4150C, 4284C, 5864C
Reversible addition-fragmentation chain transfer (RAFT), 26C, 374C, 471C, 588C, 1272C, 1432C, 1499C, 1585C, 2304C, 2334C, 2468C, 2617C, 2886C, 3256C, 3698C, 4100C, 4300C, 5067C, 5318C, 5420C
Reversible addition–fragmentation chain transfer (RAFT), 348C, 789C, 3788C
Reversible addition–fragmentation chain transfer radical polymerization (RAFT), 3098C
Reversible addition fragmentation chain transfer radical polymerization RAFT polymerization, 5091C
Reversible addition-fragmentation transfer polymerization, 5722C
Reversible melting, 475P
RGD peptide, 3218C
Rhenium, 1492C
Rheological properties, 2023P
Rheology, 229P, 774P, 1205P, 1578P, 1589P, 1808P, 1882P, 1970P, 2023P, 2187P, 2239P, 2614P, 2762P, 2860P, 3117P, 3137P, 3189P, 3240P
Rheology of filled materials, 1808P
Rhodamine B, 2876C
Rhodium catalyst, 3722C
Rhythmic growth, 3011P
Rigid-rod mesogenic units, 727C
Rigid-rod polymer, 988P
Ring opening, 1980C, 2646C

Ring opening polymerization, 2755C, 3588C, 3975C, 5164C
Ring-banded spherulite, 3011P
Ring-crossover polymerization, 680C
Ring-opening metathesis polymerization, 1771P
Ring-opening polymerization (ROP), 181C, 429C, 736C, 789C, 794P, 968C, 989C, 1159C, 1210C, 1388C, 1446C, 1507C, 1878C, 2201P, 2235C, 2820C, 2827C, 2978C, 3032C, 3218C, 3524C, 3570C, 3611C, 3659C, 3798C, 3966C, 4459C, 4552C, 5037C, 5136C, 5227C, 5256C, 5365C, 5371C, 5387C, 5518C, 5552C, 5857C
Ring-opening reaction, 4606C
Rivlin energy expression, 1713P
Rod-coil block copolymer, 4037C
Rod–coil block copolymers, 3129C
Rod–coil triblock copolymers, 5949C
ROMP, 361C, 485C, 1336C, 2113C, 3022C, 3178C, 3494C, 3986C
Rubber, 41P, 286P, 544P, 1003P, 2594P, 3169P
Rubber behavior, 1713P
Rubber toughening, 1470P
Ruthenium, 3494C
Ruthenium complex, 4204C, 4225C

Salen, 5050C
Salen complex, 429C
SAXS, 892P, 1026P, 1234P, 1834P, 1959P, 2350P, 3046P, 3069P, 3197P, 3386P, 4988C
Scaling exponent, 2368P
Scanning electron microscopy (SEM), 677P
Scanning force microscopy, 614C
Scanning near-field optical microscope, 5380C
Scanning transitiometry, 1354P
Schiff-base–zinc halide complex, 3370C
Schiff-base nickel complexes, 3739C
Scratch, 1435P
SEC, 3135C
Sec-butenyl acetate, 3191C
SEC-FTIR, 2956P
Secondary structure, 239P
Segmental dynamics, 963P
Segmented block copolymer, 4522C
Selective adsorption, 1911C
Selective doping, 368P
Selectivity, 3156P, 5968C
Self assembling, 2664P
Self-assembly, 1C, 548C, 605C, 666P, 1185C, 1333P, 1432C, 1889C, 2410P, 2425C, 2556C, 3129C, 3218C, 3249P, 3257P, 3263P, 3570C, 4204C, 4720C, 4974C, 4988C, 5318C, 5790C
Self-assembly latex particles, 933C
Self-association, 5022C
Self-healing, 1771P
Self-heating effect, 860P
Self-nucleation, 1365P
Self-organization, 1354P, 2351C, 3129C, 4974C, 5149C
Self-photosensitizing, 2978C
Self-sustaining, 4322C
Selfoscillating polymer, 1578P
SEM, 1127P, 1470P
Semicrystalline, 1198P
Sensors, 650C, 1336C, 1546C, 2876C, 4430C
Separation techniques, 2655P, 3788C
SET-LRP, 4950C
Shape and size, 2410P
Shape memory, 444P, 557P
Shape-memory polymers, 768C
Ξ-Shaped, 147C
Shear, 1P, 2344P, 2982P
α-Sheet, 239P
Short chain branching, 3135C
Short chain branching distribution, 2956P
Short circuit current, 988P
Shrinkage, 2129C
SI-ATRP, 3451C
Side-chain crystallization, 5227C
Side-chain liquid crystalline polymers, 5380C
3,6-Silafluorene-*co*-2,7-silafluorene, 4941C
Silica, 955P, 1599P, 2594P, 3431C
Silicas, 286P, 1028C, 1143C
Silicon, 4161C
Silicone, 1542P
Silicones, 2689C
Silk, 2568P
Silk fibroin solution, 2555P
Silole, 4588C
Silver, 1018P, 1283P
Silver ion, 2263P
Silver nanoparticles, 2657C
Silyl ketene acetal ended poly(methyl methacrylate), 2514C
Simulations, 1P, 374C, 884P, 1835C, 2161P
Single electron transfer, 1835C
Single electron-transfer, 1607C, 4950C
Single electron transfer-living radical polymerization (SET-LRP) < S, 4684C
Single macromolecules, 2368P
Single walled carbon nanotubes, 758P
Size exclusion chromatography, 3524C
Skin-core structure, 184P
Small angle X-ray scattering (SAXS), 2966P
Small band gap, 5872C
Smart catalysts, 2812C
Smart materials, 444P
Soapless emulsion polymerization, 3912C
Sodium carboxymethylcellulose, 1765P
Sol–gel, 1424C, 3431C
Sol–gel process, 1122C
Solar cell, 5266C
Solid monomers, 4322C
Solid phase transition, 1625P
Solid polymer electrolytes, 79P
Solid-state NMR, 800P, 3060P
Solid-state polymerization, 3851C, 4322C
Solid-state structure, 735P
Solubility, 262P, 1637P, 1798P, 2497P, 2855C, 3073C
Soluble functionalized silica, 5480C
Solution polycondensation, 1595C
Solution properties, 826P, 2196P, 5277C
Solvent effect, 2880P
Solvent resistance, 1425P
Solvent-free, 1571C
Sonogashira coupling reaction, 3243C
Sonogashira cross-coupling reaction, 4154C
Sonogashira reaction, 2038C
Sorption, 616P, 1798P, 1996P, 2007P
Sorption and diffusion, 2470P
Soy-beans, 5371C
Specific interaction, 3204C
Spectra, 5573C
Spectroscopy, 1283P, 3181P
Spherulites, 1344P, 2640P, 2715P, 3659C
Spider silk, 786P
Spin coating, 5277C
Spirobifluorenylenevinylene, 900C
Spiroorthoester, 1920C, 4211C
Stabilization, 1868C, 5759C
Stable free radical polymerization (SFRP), 5487C
Star copolymers, 3966C, 4818C
Star polymer, 2277P, 4364C, 4818C
Star polymers, 968C, 1159C, 1801C, 2387C, 2425C, 3117P, 3166C, 3330C, 3342C, 3513C, 3588C, 3803C, 3949C, 4173C, 4179C, 4204C, 4225C, 4696C, 5017C, 5559C, 5811C
Star-block copolymers, 2387C

Star-shaped polymer, 2580P
Star-shaped polymers, 1801C
Starlike, 3687C
State of dispersion, 2284P
Static quenching, 911C
Statistical copolymers, 416C
Statistical mechanics, 3319P
Statistical thermodynamics, 270P
Steered molecular dynamics, 2322P
Step-growth polycondensation, 5237C
Step-growth polymerization, 699C, 1525C, 1641C, 3231C, 5686C
Stereocomplex, 2380P, 2581C
Stereocomplexes, 218P
Stereoregular polymers, 2581C
Stereoselectivity, 429C
Stereospecific polymers, 429C, 2400C
Stille reaction, 4588C
Stimuli-responsive polymers, 1801C
Stimuli-sensitive polymers, 253C, 444P, 669C, 955C, 1122C, 1187P, 1801C, 2368P, 2468C, 3707C, 4240C, 4341C, 5864C, 5884C
Stochastic branching process, 3093P
Strain, 1932P
Strain amplification, 2594P
Strain hardening, 1090P
Stress-strain curve, 1217P
Stretched-recovery-restretched, 654P
Structure, 103P, 429P, 815P, 1771C, 2350P, 3257P, 4647C, 5209C
Structure of the polymers, 437C, 2038C
Structure-polymer relations, 650C
Structure–property relation, 2287C
Structure-property relation, 5266C
Structure–property relations, 5686C, 5872C
Structure-property relations, 1C, 286P, 349P, 666P, 735P, 830C, 873P, 892P, 1234P, 1425P, 1907P, 2147P, 2215P, 2688P, 2797C, 2823P, 2880P, 3046P, 3112C, 3156P, 3252P, 3803C, 4091C, 4671C, 4773C, 4933C
Structure-property relationship, 1482P
Styrene, 1778C, 1993C, 2765C
Styrene polymerization, 5487C
Submicrometer- and micrometer-scale morphologies, 677P
Substituted polyacetylene, 165C
Substitution effect, 3093P
Successive self-nucleation annealing, 2432P
Sugar, 3204C
Sugar-containing polymer, 2172C
Sulfonated poly(benzoxazole ether ketone), 2273C
Sulfonated poly(ether ether ketone), 2871P
Sulfonated polyimides, 222C, 1325P, 2797C
Sulfonic, 2007P
Sulfur, 5606C
Supercritical carbon dioxide, 173P, 955C, 1755P, 5626C
Supercritical CO_2, 1313P, 1625P
Superhydrophobic, 253P
Superhydrophobicity, 4707C
Supported metallocene catalysts, 5480C
Supporting, 553C
Supports, 3677C, 4043C, 5480C
Supramolecular chemistry, 2287C
Supramolecular polymer, 5618C
Supramolecular polymers, 103P
Supramolecular structures, 1C, 125C, 509C, 650C, 666P, 826P, 3181P, 4154C, 5136C, 5790C
Surface, 138P
Surface-enhanced Raman spectroscopy, 5380C
Surface energy, 1260P
Surface interaction, 5380C
Surface mediation, 553C
Surface modification, 1870P, 2172C, 3477C, 4161C
Surface plasmons, 2060P
Surface polymerization, 1575C
Surface properties, 5005C
Surface tension, 253P
Surface treatment, 460C
Surfaces, 253P, 566C, 684P, 745C, 1143C, 1170C, 2172C, 2368P, 3300P, 4161C, 4477C, 4707C
Surfactants, 69C, 3300P, 5022C, 5649C, 5759C, 5800C
Surfmer (comonomer), 5800C
Suspension copolymerization, 3677C
Suzuki coupling, 848C
Suzuki polycondensation, 1084C, 2410C
Swellability, 4536C
Swelling, 395P, 1166P, 1313P, 1683P, 2031P, 2497P, 2593C, 4612C
Syndiotactic, 1068P, 1198P, 2688P
1,2 Syndiotactic polyhexadiene, 5339C
Syndiotactic polypropylene, 2948P
Syndiotactic polystyrene, 1625P, 1755P
Synthesis, 99C, 136C, 284C, 341C, 485C, 531C, 629C, 680C, 809C, 873C, 1016C, 1150C, 1403C, 1481C, 1492C, 1515C, 1542P, 1619C, 1632C, 1694P, 1758C, 2026C, 2059C, 2184C, 2204C, 2273C, 2334C, 2351C, 2410C, 2689C, 2876C, 2880P, 3116C, 3460C, 3473C, 3611C, 3687C, 3739C, 3803C, 3861C, 3986C, 3994C, 4154C, 4421C, 4450C, 4536C, 4656C, 4661C, 4933C, 5308C, 5380C, 5459C, 5552C, 5872C, 5899C
Synthesis parameters, 3833C
Synthesis water-soluble polymers, 2059C

Tailor-made polymer, 4441C
Tandem catalysis system, 3562C
Targeting, 1185C
Tearing energy, 377P
Telechelics, 848C, 1324C, 3285P, 5420C
Telomerization, 395C
TEM, 684P, 1122P, 1152P, 1344P, 1470P, 2204C, 2277P, 2638C, 3197P, 3431C, 5387C
Temperature modulated DSC, 3034P
Temperature modulation, 475P
Temperature response, 5156C
Temperature rising elution fractionation (Tref), 1010P
Temperature-induced phase transition, 850P
Temperature-modulated differential scanning calorimetry (TMDSC), 466P
Temperature-sensitive paint, 2876C
Templates, 2912P, 4612C
TEMPO, 5431C, 5487C
Tensile properties, 786P
Tensile strength, 1662P
Tension, 3046P
Terminal substituents, 5190C
Ternary blends, 2729P
Ternary thiolene/acrylate, 822C
p-Terphenyl, 830C
Terpyridine, 1109C, 5618C
2,2′:6′,2″-Terpyridyl unit, 3243C
Tetraethoxysilane, 3273C
Tetrahydroxytetramethyl spirobisindane, 5597C
Tetramantane, 1077P
Tetraorganodistannoxane, 942C
Tetraphenylbenzidine, 3083C
Theoretical models, 1662P
Theory, 723P, 1399P, 2827C, 3319P
Thermal analysis, 2184C
Thermal behavior, 2309P
Thermal conductivity, 1662P
Thermal curing, 999C
Thermal curing reaction, 709C
Thermal decomposition, 2184C
Thermal oxidation, 840P

Thermal polymerization, 5494C
Thermal properties, 196P, 310P, 597P, 945P, 1053P, 1055C, 1641C, 1694P, 1878C, 1976P, 2097P, 2184C, 2316C, 2519P, 2842P, 2937P, 2956P, 4026C, 4062C, 4118C, 4264C, 4536C, 4656C, 4671C, 4855C, 5076C, 5308C, 5398C, 5770C, 5979C
Thermal ring-opening polymerization, 1670C
Thermal stability, 181C, 531C, 2855C, 3073C, 3137P, 5606C
Thermal treatment, 616P
Thermal volume expansion, 3078P
Thermally amendable material, 4441C
Thermally induced phase separation, 153P
Thermally latent catalyst, 3370C
Thermodynamic model, 2232P
Thermodynamic parameter, 2015P
Thermodynamics, 270P, 475P, 661P, 1354P, 1637P, 1996P, 2015P, 2860P, 3003P, 3231C, 3231P, 3285P, 3359C
Thermogravimetric analysis (TGA), 299P, 1860C, 2046P, 2745C, 2787C, 2937P, 4536C, 4552C, 5076C
Thermoplastic elastomers, 361C
Thermoplastic polyurethanes, 800P
Thermoplastics, 800P, 1808P, 2456P, 2860P
Thermoresponse, 5354C
Thermoresponsive, 1177C, 2812C
Thermoset polymers, 2147P
Thermosets, 1670C, 1968C, 2129C, 2204C, 2456P, 2781P, 2835P, 3338C, 3338P, 3473C, 4844C, 4965C, 5446C
Thermosetting polyurethane, 519P
Thieno[3,2-*b*]thiophene, 5266C
Thin film, 747P, 1482P, 5932C
Thin film transistor, 1303P
Thin films, 10P, 684P, 776C, 794P, 1313P, 1390P, 1911C, 2091C, 2113P, 2835C, 2876C, 3025P, 3237P, 3263P
Thio-containing initiators, 576C
Thioesters, 680C
Thiol-ene, 4829C
Thiol-ene chemistry, 5103C
Thiophene, 999C, 5277C
Thiophene–thienopyrazine, 5872C
Thiourethane, 5103C
Three-dimensional (3D) reconstruction, 677P
Threitol, 4109C
Time resolved fluorescence spectroscopy, 2333P
Time–temperature superposition, 91P
Titanium, 3415C
TMDSC, 1870P
Toughening, 1448P
Toughening mechanisms, 1470P
Toughness, 1007C, 1399P, 1410P, 1418P, 1425P, 2835P
Transesterification, 4091C
Transition metal catalyst, 165C
Transition metal chemistry, 1536C, 3311C, 4588C, 4733C
Transitions, 1166P, 1625P, 3707C
Transmission electron microtomography (TEMT), 677P
Transparency, 2897C, 5606C
trans-polyisoprene, 2400C
Triamantane, 1077P
Triarylpyrazoline, 1632C
1,3,5-Triazine, 3626C
Triazine (diaryl ether)s, 4421C
Triazole, 136C
2,4,6-Trichlorophenyl acrylate, 4043C
Tricyanopyrrolidene chromophores, 531C
Tricyclodecane, 4389C
(2,4,6-Trimethylbenzoyl) diphenylphosphine oxide, 2161C
Trimethylene carbonate, 5857C
Trimethylene carbonate (TMC), 1210C
Triphenylamine, 2004C
Triple molecular brushes, 3513C
Triple-tailed macromonomers, 3513C
Tube model, 377P
Two-photon absorption, 2443C
Two photon induced photopolymerization, 3280C
Two probe conductivity, 1127P

UCST, 1521P
UHMWPE, 1535P
Ultrahigh-molecular-weight polyethylene (UHMWPE), 766P
Ultrasonic, 1226P
Ultrasonic oscillation, 2300P
Ultrasound diagnostic imaging, 1185C
Ultrasound spectroscopy, 91P
Ultraviolet-light irradiation, 317C
Uniaxial, 2563P
Unsaturated biodegradable polymers, 1595C
α,β-Unsaturated lactones, 2514C
Unsaturated polyesters, 698P
Unsymmetric monomers, 1525C
Urea, 4026C
Urea pendant groups, 4026C
Urethane, 5781C
UV curing, 4914C
UV-irradiation, 3482C
UV radiation, 786P
UV-vis spectroscopy, 629C, 920P, 2004C, 2333P, 2867C, 2886C, 2897C, 2918P, 2998C, 3280C, 4773C, 4786C, 5091C

Vacuum techniques, 2576C
Vanadium, 4635C
Vapor sorption, 2603P
Vascular grafts, 1185C
Vesicles, 5800C
Vinyl addition polymerization, 3391C
Vinyl-addition polymerization, 4733C
Vinyl copolymers, 2259C
Vinyl ether, 1801C, 4389C, 4855C
Vinyl monomer, 1143C
Vinyl-type polymerization, 2765C
Vinylbenzylthymine, 1296C
N-vinylcarbazole, 908C
2-Vinyldibenzothiophene, 1993C
Vinylidene fluoride (VDF), 1814C, 5626C
4-Vinylpyridine, 5748C
Virgin and scrapped PE, 850P
Viscoelastic properties, 1234P, 1380P, 1856P, 1907P, 2555P, 2594P, 2700P, 2860P, 3237P
Viscoelasticity, 3375P
Viscosities, 3181P
Viscosity, 1P, 826P, 955C, 2555P
Visible-light initiator, 3626C
Visible light radiation, 5091C
Vitreous state behavior, 270P
Voids, 5800C
Vrentas-Duda free volume theory, 1996P
Vulcanization, 544P
Vulcanization process, 2966P

Water-borne, 2747P
Water diffusion, 2007P
Water molecules, 884P
Water resistance, 5005C
Water-soluble crosslinking agent, 3811C
Water soluble polymer, 1481C
Water-soluble polymer, 3698C
Water-soluble polymers, 826P, 1349C, 2113C, 2468C, 2546P, 2617C, 2655P, 3477C, 3707C, 5123C, 5864C
Water sorption, 395P, 4026C
Water stability, 2797C
Water uptake, 1325P, 2797C, 4671C, 5398C
Waveguide, 5923C
WAXD, 405P, 1127P
WAXS, 747P, 892P, 1535P, 1834P, 2350P, 3046P
Wet spinning, 2568P

Wettability, 138P
White-emissive polymers, 1746C
White light-emitting diodes, 3380C
White-light-emitting diodes, 1199C
White polymer light emitting display, 330P
Wide angle X-ray diffraction (WAXD), 654P, 5949C
Wide-angle X-ray diffraction (WAXD), 218P
X-ray, 654P, 666P, 1026P, 2046P, 2204C, 2470P, 2632P, 2998C, 4514C
X-ray analysis, 310P
X-ray diffraction, 475P, 815P, 5339C
X-ray scattering, 2813P
Xylitol, 4109C

Yield stress, 1090P
Yielding, 1399P
Young's modulus, 1662P
Ytterbium triflate, 1920C
Yttrium, 5662C

Zeta potential, 1511P
Ziegler-Natta polymerization, 1134C, 4581C
Ziegler–Natta polymerization, 3941C
Zinc(II) ion, 3243C
Zirconium, 1641C
α-Zirconium phosphate, 1459P
Zwitterionic polymers, 4818

JOURNAL OF
POLYMER SCIENCE
PART • B
Polymer Physics

Volume Contents
Volume 45, 2007
Issue 1, January 1, 2007

ARTICLES

Brownian Dynamics Simulation of Polyelectrolyte Dilute Solutions under Shear Flow
R. PAMIES, J. G. HERNÁNDEZ CIFRE, AND J. G. DE LA TORRE 1
Published online 15 November 2006

Thickness Dependence of Free-Standing Thin Films
G. GUÉRIN AND R. E. PRUD'HOMME 10
Published online 15 November 2006

Miscibility and Morphology of Poly(ethylhexylacrylate)/Liquid Crystal Blends Prepared Under Different Conditions
S. K. SLIMANE, F. ROUSSEL, AND U. MASCHKE 18
Published online 15 November 2006

Thermomechanical Properties and Crystallization Behavior of Layered Double Hydroxide/Poly(ethylene terephthalate) Nanocomposites Prepared by *In-situ* Polymerization
W. D. LEE AND S. S. IM 28
Published online 16 November 2006

Investigation on Crosslinking Behaviors of NBR/PVC Filled with Anhydrous Copper Sulfate Particles by Dynamic Mechanical Analysis
F. SHEN, X. YUAN, AND C. WU 41
Published online 16 November 2006

Morphological Mapping and Analysis of Poly[styrene-*b*-(ethylene-*co*-butylene)-*b*-styrene] and its Clay Nanocomposites by Atomic Force Microscopy
A. GANGULY, M. DE SARKAR, AND A. K. BHOWMICK 52
Published online 17 November 2006

Photophysical and Electroluminescent Properties of Fluorene-Based Binary and Ternary Donor–Acceptor Polymer Blends

W.-C. WU, W.-Y. LEE, C.-L. PAI, W.-C. CHEN, C.-S. TUAN, AND J.-L. LIN 67

Published online 17 November 2006

Polymer Electrolyte Membranes by *In Situ* Polymerization of Poly(ethylene carbonate-*co*-ethylene oxide) Macromonomers in Blends with Poly(vinylidene fluoride-*co*-hexafluoropropylene)

A. M. ELMÉR AND P. JANNASCH 79

Published online 17 November 2006

Measurement of High Frequency Linear Viscoelastic Functions of a Nitrile-Butadiene Rubber Compound by Ultrasound Spectroscopy

G. A. ALVAREZ, M. W. QUINTERO, S. ECKERT-KASTNER, T. ALSHUTH, AND H. REINECKE 91

Published online 17 November 2006

Fibrillar Structure of Self-Assemblies Formed from Heterocomplementary Monomers Linked through Sextuple Hydrogen-Bonding Arrays

E. BUHLER, S. J. CANDAU, J. SCHMIDT, Y. TALMON, E. KOLOMIETS, AND J.-M. LEHN 103

Published online 17 November 2006

Crystallization and Crystal Structure of Poly(ester amide)s Derived From L-Tartaric Acid

C. REGAÑO, R. MARÍN, A. ALLA, J. I. IRIBARREN, A. MARTÍNEZ DE ILARDUYA, AND S. MUÑOZ-GUERRA 116

Published online 17 November 2006

Volume 45, 2007
Issue 2, January 15, 2007

IN MEMORIAM

Alan A. Jones (1944–2006)

R. COLBY, M. EDIGER, AND P. T. INGLEFIELD 127

Published online 6 December 2006

ARTICLES

Side-Chain Crystallization Behavior of Graft Copolymers Consisting of an Amorphous Main Chain and Crystalline Side Chains. II. Poly(*n*-hexyl methacrylate)-*graft*-Poly(ethylene glycol)

K. INOMATA, C. FUKUDA, K. HORI, H. SUGIMOTO, AND E. NAKANISHI 129

Published online 30 November 2006

Surface Enrichment and Crystallization of Polyamide and Polytetrafluoroethylene Blend

R. SONG, D. YANG, L. HE, AND G. YAO 138

Published online 30 November 2006

Phase Separation and Polymer Crystallization in a Poly(4-methyl-1-pentene)–Dioctylsebacate–Dimethylphthalate System via Thermally Induced Phase Separation

H. TAO, J. ZHANG, X. WANG, AND J. GAO 153

Published online 4 December 2006

X-ray Photoelectron and Carbon Kα Emission Measurements and Calculations of O-, CO-, N-, and S-containing Substances

S. SHIMADA, T. HIROI, T. IDA, M. MIZUNO, K. ENDO, E. Z. KURMAEV, AND A. MOEWES 162

Published online 4 December 2006

Preparation, Characterization, and Mechanical Properties of Microcellular Poly(aryl ether ketone) Foams

D. WANG, W. JIANG, H. GAO, AND Z. JIANG 173

Published online 1 December 2006

Development of Morphology and Properties of Injection-Molded Bars of HDPE/PA6 Blends Along Flow Direction

J. LI, X. YU, AND S. GUO 184

Published online 1 December 2006

Kinetics of Melting and Characterization of the Thermodynamic and Kinetic Properties of Syndiotactic Polystyrene

A. SORRENTINO, R. PANTANI, AND G. TITOMANLIO 196

Published online 1 December 2006

Effect of Annealing on the Microphase Separated Behavior and Properties of PDMS–MDI–PEG Multiblock Copolymer Films

H. FANG, L. FENG, B. YOU, AND L. WU 208

Published online 1 December 2006

Higher Order Structural Analysis of Stereocomplex-Type Poly(lactic acid) Melt-Spun Fibers

Y. FURUHASHI, Y. KIMURA, AND H. YAMANE 218

Published online 1 December 2006

Rheology of Isothermally Crystallized Poly(butylene terephthalate) Nanocomposites with Clay Loadings under the Percolation Threshold

D. WU, C. ZHOU, AND M. ZHANG 229

Published online 1 December 2006

Volume 45, 2007
Issue 3, February 1, 2007

ARTICLES

Poly(L-lysine) and Clay Nanocomposite with Desired Matrix Secondary Structure: Effects of Polypeptide Molecular Weight

R. A. HULE AND D. J. POCHAN 239

Published online 12 December 2006

Preparation of a Superhydrophobic Rough Surface
H. J. LEE AND S. MICHIELSEN 253
Published online 19 December 2006

Gas Transport Properties of Asymmetric Polyimide Membranes Prepared by Ion-Beam Irradiation
A. SANNOMIYA, K. FUKUI, S. NAGAOKA, Y. SUZUKI, M. IWAKI, AND H. KAWAKAMI 262
Published online 15 December 2006

Pressure–Volume–Temperature of Molten and Glassy Polymers
L. A. UTRACKI 270
Published online 18 December 2006

Payne Effect in Silica-Filled Styrene–Butadiene Rubber: Influence of Surface Treatment
J. RAMIER, C. GAUTHIER, L. CHAZEAU, L. STELANDRE, AND L. GUY 286
Published online 19 December 2006

Partially Pyrolyzed Poly(dimethylsiloxane)-Based Networks: Thermal Characterization and Evaluation of the Gas Permeability
N. M. JOSÉ, L. A. S. DE ALMEIDA PRADO, M. A. SCHIAVON, S. U. A. REDONDO, AND I. V. P. YOSHIDA 299
Published online 18 December 2006

Poly(propylene isophthalate), Poly(propylene succinate), and Their Random Copolymers: Synthesis and Thermal Properties
M. SOCCIO, L. FINELLI, N. LOTTI, M. GAZZANO, AND A. MUNARI 310
Published online 19 December 2006

Behaviors of the Positive Temperature Coefficient of Resistance of Poly(styrene-*co*-*n*-butylacrylate) Filled with Ni-Plated Core-Shell Polymeric Particles
J. CHANG, A. HO, AND W.-K. CHIN 322
Published online 19 December 2006

High Red, Green, and Blue Color Purity Electroluminescence From MEH-PPV and Polyalkyfluorenes-Based Bright White Polymer Light Emitting Displays
R.-H. LEE, K.-T. LIN, AND C.-Y. HUANG 330
Published online 19 December 2006

The Nearly Constant Loss, Johari-Goldstein β-Relaxation, and α-Relaxation of 1,4-Polybutadiene
M. J. SCHROEDER, K. L. NGAI, AND C. M. ROLAND 342
Published online 19 December 2006

Effect of the Microstructure on the Dye Diffusion and Mechanical Properties of Polyamide-6 Fibers
N. VASANTHAN 349
Published online 19 December 2006

High-Pressure Infrared Absorption Spectroscopy of Poly(Methyl Methacrylate)
E. D. EMMONS, R. G. KRAUS, S. S. DUVVURI, J. S. THOMPSON, AND A. M. COVINGTON 358
Published online 20 December 2006

Morphological Change of a Diblock Copolymer Film Induced by Selective Doping of a Photoactive Chromophore
S. MACHIDA, H. NAKATA, K. YAMADA, AND A. ITAYA 368
Published online 19 December 2006

Volume 45, 2007
Issue 4, February 15, 2007

ARTICLES

Tearing Energy Study of "Oriented and Relaxed" Polystyrene in the Glassy State
J. EMBERY, R. S. GRAHAM, R. A. DUCKETT, D. GROVES, M. COLLIS, M. R. MACKLEY, AND T. C. B. MCLEISH 377
Published online 4 January 2007

Polymer Blend for Fuel Cells Based on SPEKK: Effect of Cocontinuous Morphology on Water Sorption and Proton Conductivity
M. LAVORGNA, G. MENSITIERI, G. SCHERILLO, M. T. SHAW, S. SWIER, AND R. A. WEISS 395
Published online 4 January 2007

Sequence Distribution and Crystal Structure of Poly(ethylene/butylene terephthalate) Copolyesters Compared With Poly(ethylene/trimethylene terephthalate) Copolyesters
T.-W. SHYR, C.-M. LO, S.-R. YE, AND J. BIAN 405
Published online 5 January 2007

Crystallization Kinetics and Morphology of Biodegradable Poly(butylene succinate-*co*-propylene succinate)s
Y. XU, J. XU, B. GUO, AND X. XIE 420
Published online 5 January 2007

Morphology Development of Main-Chain Liquid Crystalline Polymer Fibers During Solvent Evaporation
P. DAYAL, A. J. GUENTHNER, AND T. KYU 429
Published online 5 January 2007

Constitutive Modeling for Characterizing the Compressive Behavior of PMMA Open-Cell Foams
C. JO, J. FU, AND H. E. NAGUIB 436
Published online 5 January 2007

Effect of SSL and HSC on Morphology and Properties of PHA Based SMPU Synthesized by Bulk Polymerization Method
S. CHEN, J. HU, Y. LIU, H. LIEM, Y. ZHU, AND Y. LIU 444
Published online 8 January 2007

Mechanical Degradation of Polypropylene Solutions Under Large Pressure Drops
R. E. MARTINI, E. A. BRIGNOLE, AND S. E. BARBOSA 455
Published online 8 January 2007

Temperature-Modulated Differential Scanning Calorimetry Studies on the Origin of Double Melting Peaks in Isothermally Melt-Crystallized Poly(L-lactic acid)
Y.-T. SHIEH AND G.-L. LIU 466
Published online 8 January 2007

Reversible Melting and Crystallization of High-Molar-Mass Poly(oxyethylene)
W. QIU, M. PYDA, E. NOWAK-PYDA, A. HABENSCHUSS, AND B. WUNDERLICH 475
Published online 8 January 2007

Effect of Nanotube Functionalization on the Properties of Single-Walled Carbon Nanotube/Polyurethane Composites
F. BUFFA, G. A. ABRAHAM, B. P. GRADY, AND D. RESASCO 490
Published online 9 January 2007

Novel Epoxy Nanocomposite of Low D_k Introduced Fluorine-Containing POSS Structure
Y.-Z. WANG, W.-Y. CHEN, C.-C. YANG, C.-L. LIN, AND F.-C. CHANG 502
Published online 8 January 2007

ARTICLES

Incorporation of Silver/Carbon Nanoparticles into Poly(methyl methacrylate) via *In Situ* Miniemulsion Polymerization and Its Influence on the Glass-Transition Temperature
E. I. LÓPEZ-MARTÍNEZ, A. MÁRQUEZ-LUCERO, C. A. HERNÁNDEZ-ESCOBAR, S. G. FLORES-GALLARDO, R. IBARRA-GÓMEZ, M. J. YACAMÁN, AND E. A. ZARAGOZA-CONTRERAS 511
Published online 17 January 2007

Preparation of Thermosetting Polyurethane Nanocomposites by Montmorillonite Modified with a Novel Intercalation Agent
J.-C. WANG, Y.-H. CHEN, AND R.-J. CHEN 519
Published online 17 January 2007

Interlocking Layer Structures Formed in Spin-Cast Polymer Blend Films by Surface Segregation and Self-Stratification
X. HAN, H. LIU, AND Y. HU 532
Published online 17 January 2007

Measurements of Freezing-Point Depression to Evaluate Rubber Network Structure. Crosslinking of Natural Rubber with Dicumyl Peroxide
J. L. VALENTÍN, A. FERNÁNDEZ-TORRES, P. POSADAS, A. MARCOS-FERNÁNDEZ, A. RODRÍGUEZ, AND L. GONZÁLEZ 544
Published online 22 January 2007

The Influence of Hard-Segments on Two-Phase Structure and Shape Memory Properties of PCL-Based Segmented Polyurethanes

P. PING, W. WANG, X. CHEN, AND X. JING 557

Published online 23 January 2007

Novel *In Situ* Coordination Copper Sulfate/Acrylonitrile–Butadiene Rubber Composite

X. YUAN, F. SHEN, G. WU, AND C. WU 571

Published online 23 January 2007

Influence of Hyperbranched against Linear Architecture on Crystallization Behavior of Poly(ε-caprolactone)s in Binary Blends with Poly(vinyl chloride)

J. CHOI, S.-W. CHUN, AND S.-Y. KWAK 577

Published online 23 January 2007

Isothermal Crystallization Behaviors of Isotactic Polypropylene Nucleated with α/β Compounding Nucleating Agents

Y.-F. ZHANG AND Z. XIN 590

Published online 24 January 2007

Incorporation of Carbon Nanotubes into Polyethylene by High Energy Ball Milling: Morphology and Physical Properties

G. GORRASI, M. SARNO, A. DI BARTOLOMEO, D. SANNINO, P. CIAMBELLI, AND V. VITTORIA 597

Published online 24 January 2007

Effect of Silane-Grafted Polypropylene on the Morphology of Polypropylene and Nylon 6/Clay Composites

J. H. SHIM, J. H. JOO, S. H. JUNG, AND J.-S. YOON 607

Published online 24 January 2007

Gas Solubility of Carbon Dioxide in Poly(lactic acid) at High Pressures: Thermal Treatment Effect

N. S. OLIVEIRA, J. DORGAN, J. A. COUTINHO, A. FERREIRA, J. L. DARIDON, AND I. M. MARRUCHO 616

Published online 24 January 2007

Volume 45, 2007
Issue 6, March 15, 2007

HIGHLIGHT

Relationship Between the α- and β-Relaxation Processes in Amorphous Polymers: Insight From Atomistic Molecular Dynamics Simulations of 1,4-Polybutadiene Melts and Blends

G. D. SMITH AND D. BEDROV 627

Published online 1 February 2007

LETTER

Three-Dimensional Structural Analysis of a Block Copolymer by Scanning Electron Microscopy Combined with a Focused Ion Beam

M. KATO, T. ITO, Y. AOYAMA, K. SAWA, T. KANEKO, N. KAWASE, AND H. JINNAI 677

Published online 2 February 2007

ARTICLES

Synthesis and Characterization of a Vinyl-Terminated Benzoxazine Monomer and Its Blends with Poly(ethylene oxide)

J.-M. HUANG, S.-W. KUO, Y.-J. LEE, AND F.-C. CHANG 644

Published online 1 February 2007

Wide Angle X-ray Diffraction and Fourier Transform Infrared Dichroism Studies of Stretched-Recovery-Restretched Process of Polyurethane/Clay Nanocomposite

G. CHEN, Y. MA, X. ZHENG, G. XU, J. LIU, J. FAN, D. SHEN, AND Z. QI 654

Published online 1 February 2007

Thermodynamic Model of Gas Permeability in Polymer Membranes

D. K. LEE, Y. W. KIM, K. J. LEE, B. R. MIN, AND J. H. KIM 661

Published online 2 February 2007

Spontaneous Formation of Hierarchical Proton-Conductive Structures in Sulfonated Poly(*p*-phenylene terephthalamide) Copolymer Films

C. SISBANDINI, H. A. EVERY, S. VIALE, E. MENDES, AND S. J. PICKEN 666

Published online 2 February 2007

Isotactic Poly(butene-1) Trigonal Crystal Growth in the Melt

M. YAMASHITA, A. HOSHINO, AND M. KATO 684

Published online 8 February 2007

Novel Biobased Resins from Blends of Functionalized Soybean Oil and Unsaturated Polyester Resin

H. MIYAGAWA, A. K. MOHANTY, R. BURGUEÑO, L. T. DRZAL, AND M. MISRA 698

Published online 7 February 2007

Electrical Conductivity and Polarization Processes in Nanocomposites Based on Isotactic Polypropylene and Modified Synthetic Clay

A. MOTORI, G. C. MONTANARI, A. SACCANI, AND F. PATUELLI 705

Published online 7 February 2007

Brownian Dynamics Simulation of Polyelectrolyte Dilute Solutions: Relaxation Time and Elongational Flow

R. PAMIES, J. G. H. CIFRE, AND J. G. DE LA TORRE 714

Published online 7 February 2007

Assessing the Transport Properties of Organic Penetrants in Low-Density Polyethylene Using Free Volume Models
J. E. RITUMS, B. NEWAY, F. DOGHIERI, G. BERGMAN, U. W. GEDDE, AND M. S. HEDENQVIST 723
Published online 7 February 2007

Volume 45, 2007
Issue 7, April 1, 2007

LETTER

Voltage-Induced Resistivity Relaxation in a High-Density Polyethylene/Graphite Nanosheet Composite
W. LU, H. LIN, AND G. CHEN 860
Published online 22 February 2007

ARTICLES

Reorganization of Poly(ethylene terephthalate) Structures and Conformations to Alter Properties
J. VEDULA AND A. E. TONELLI 735
Published online 15 February 2007

Crystal Growth in Alumina/Poly(ethylene terephthalate) Nanocomposite Films
H. YANG, P. BHIMARAJ, L. YANG, R. W. SIEGEL, AND L. S. SCHADLER 747
Published online 20 February 2007

Influences of Organometallic Polymer-Derived Catalyst Dispersion on SWNT Growth
S. LASTELLA, H. YANG, P. M. AJAYAN, C. Y. RYU, D. RIDER, AND I. MANNERS 758
Published online 20 February 2007

Electrospinning of Ultrahigh-Molecular-Weight Polyethylene Nanofibers
D. M. REIN, L. SHAVIT-HADAR, R. L. KHALFIN, Y. COHEN, K. SHUSTER, AND E. ZUSSMAN 766
Published online 20 February 2007

Dynamic Light Scattering and Rheology Studies of Aqueous Solutions of Amphiphilic Sodium Maleate Containing Copolymers
E. D. COLA, T. A. WAIGH, AND R. H. COLBY 774
Published online 21 February 2007

Fracture Surfaces and Tensile Properties of UV-Irradiated Spider Silk Fibers
J. PÉREZ-RIGUEIRO, M. ELICES, G. R. PLAZA, J. RUEDA, AND G. V. GUINEA 786
Published online 21 February 2007

Electrical DC Conduction Mechanism in Some Newly Synthesized Nylon 6/12 Copolymers
G. RUSU, E. RUSU, L. LEONTIE, AND G. I. RUSU 794
Published online 21 February 2007

Effects of Polymerization Method on Structure and Properties of Thermoplastic Polyurethanes
S. YAMASAKI, D. NISHIGUCHI, K. KOJIO, AND M. FURUKAWA 800
Published online 21 February 2007

Alternating Poly(ester amide)s of Glycolic Acid and ω-Amino Acids: Crystalline Morphology and Main Crystallographic Data
E. BOTINES, M. T. CASAS, AND J. PUIGGALÍ 815
Published online 21 February 2007

Characterization, Solution Properties, and Morphologies of a Hydrophobically Associating Cationic Terpolymer
C. ZHONG AND P. LUO 826
Published online 22 February 2007

Thermal Oxidative Stability and Effect of Water on Gas Transport and Mechanical Properties in PA6-EVOH Films
P. CERRUTI, P. LAURIENZO, M. MALINCONICO, AND C. CARFAGNA 840
Published online 22 February 2007

Spectroscopic Studies of Structural Changes in Irradiated LDPE and Its Blends
Z. ALI, Y. BADR, AND W. EISA 850
Published online 22 February 2007

Stability of the Co-Continuous Morphology during Melt Mixing for Poly(ε-caprolactone)/ Polystyrene Blends
P. SARAZIN AND B. D. FAVIS 864
Published online 22 February 2007

Volume 45, 2007
Issue 8, April 15, 2007

ARTICLES

External and Internal Plasticization of Cellulose Acetate with Caprolactone: Structure and Properties
B. VIDÉKI, S. KLÉBERT, AND B. PUKÁNSZKY 873
Published online 1 March 2007

Molecular Dynamics Simulation of Water Diffusion inside an Amorphous Polyacrylate Latex Film
Z. CHEN, Q. GU, H. ZOU, T. ZHAO, AND H. WANG 884
Published online 1 March 2007

Structure and Mechanical Properties of Poly(L-lactic acid) Crystals and Fibers
H. M. DE OCA AND I. M. WARD 892
Published online 1 March 2007

Biodegradation of Plasticized Poly(Vinyl Chloride) Containing Cellulose
H. KACZMAREK AND K. BAJER 903
Published online 1 March 2007

Restraining the Aggregation of Photoluminescent 1-Pyrenecarboxylic Acid by Hydrogen Bonding to Poly(methyl methacrylate)
F.-K. SU, G.-F. LIAU, AND J.-L. HONG 920
Published online 1 March 2007

Crystallization of Poly(vinyl alcohol) During Solvent Removal: Infrared Characterization and Mathematical Modeling
S.-S. WONG, S. A. ALTINKAYA, AND S. K. MALLAPRAGADA 930
Published online 1 March 2007

Crystallization Kinetics and Morphology of the Mesomorphic Form of Syndiotactic Polypropylene
R. PUCCIARIELLO, V. VILLANI, A. CASCONE, L. GUADAGNO, AND V. VITTORIA 936
Published online 1 March 2007

New Nanohybrids of Poly(ε-caprolactone) and a Modified Mg/Al Hydrotalcite: Mechanical and Thermal Properties
R. PUCCIARIELLO, L. TAMMARO, V. VILLANI, AND V. VITTORIA 945
Published online 1 March 2007

New Insights into the Cold Crystallization of Filled Natural Rubber
J. M. CHENAL, L. CHAZEAU, Y. BOMAL, AND C. GAUTHIER 955
Published online 1 March 2007

Heterogeneity of Glass Transition Dynamics in Polyurethane-Poly(2-hydroxyethyl methacrylate) Semi-Interpenetrating Polymer Networks
L. V. KARABANOVA, L. M. SERGEEVA, A. V. SVYATYNA, P. N. YAKUSHEV, L. M. EGOROVA, V. A. RYZHOV, AND V. A. BERSHTEIN 963
Published online 1 March 2007

Nonisothermal Crystallization and Melting Behavior of a Luminescent Conjugated Polymer, Poly(9,9-dihexylfluorene-*alt*-*co*-2,5-didecyloxy-1,4-phenylene)
G.-Z. YANG, X. CHEN, W. WANG, M. WANG, T. LIU, AND C.-Z. LI 976
Published online 8 March 2007

Layer Effects of Photovoltaic Heterojunction of Fully Conjugated Heterocyclic Aromatic Rigid-Rod Polymer Poly-*p*-phenylenebenzobisoxazole
J.-W. HUANG AND S. J. BAI 988
Published online 8 March 2007

Volume 45, 2007
Issue 9, May 1, 2007

LETTER

Local Lamellar Structures in Banded Spherulites Analyzed by Three-Dimensional Electron Tomography
T. IKEHARA, H. JINNAI, T. KANEKO, H. NISHIOKA, AND T. NISHI 1122
Published online 27 March 2007

ARTICLES

Nonisothermal Crystallization Behavior and Crystalline Structure of Poly(3-hydroxybutyrate)/ Layered Double Hydroxide Nanocomposites
S.-F. HSU, T.-M. WU, AND C.-S. LIAO 995
Published online 19 March 2007

Structural Characterization of Vulcanized Natural Rubber by Latex State ^{13}C NMR Spectroscopy
J. UKAWA, S. KAWAHARA, AND J. SAKAI 1003
Published online 19 March 2007

Mathematical Modeling of Crystallization Analysis Fractionation of Ethylene/1-Hexene Copolymers
S. ANANTAWARASKUL, P. JIRACHAITHORN, J. B. P. SOARES, AND J. LIMTRAKUL 1010
Published online 19 March 2007

Nanostructure, Interactions, and Conductivities of Polymer Electrolytes Comprising Silver Salt and Microphase-Separated Graft Copolymer
D. K. LEE, K. J. LEE, Y. W. KIM, B. R. MIN, AND J. H. KIM 1018
Published online 26 March 2007

Ethylene-Vinyl Alcohol Copolymers Partially Modified With Benzoate Groups: Study of Their Polymorphic Behavior
M. SÁNCHEZ-CHAVES, M. FERNÁNDEZ-GARCÍA, AND M. L. CERRADA 1026
Published online 26 March 2007

Electrical Conducting Behaviors in Polymeric Composites with Carbonaceous Fillers
D. ZHU, Y. BIN, AND M. MATSUO 1037
Published online 27 March 2007

Mechanical Properties and Morphology of Homoblends of a Poly(ethyl acrylate) Ionomer Having One Ion Pair per Ionic Repeat Unit and a Poly(ethyl acrylate) Ionomer Having Two Ion Pairs
J.-M. SONG, M. LUQMAN, J.-S. KIM, AND K. SHIN 1045
Published online 26 March 2007

Thermal Properties of Poly(alkylene dicarboxylate)s Derived from 1,12-dodecanedioic Acid and Even Aliphatic Diols
A. CELLI, G. BARBIROLI, C. BERTI, D. C. FRANCESCO, C. LORENZETTI, P. MARCHESE, AND E. MARIANUCCI 1053
Published online 26 March 2007

Effects of Clay Nanoparticles and Electron Irradiation in the Crystallization Rate of Syndiotactic Polypropylene
M. L. CERRADA, V. RODRÍGUEZ-AMOR, AND E. PÉREZ 1068
Published online 26 March 2007

Effect of Nanoscale Diamondoids on the Thermomechanical and Morphological Behaviors of Polypropylene and Polycarbonate
A. GHOSH, S. F. SCIAMANNA, J. E. DAHL, S. LIU, R. M. K. CARLSON, AND D. A. SCHIRALDI 1077
Published online 26 March 2007

Strain Hardening of High Density Polyethylene
R. N. HAWARD 1090
Published online 26 March 2007

Nonisothermal Cold Crystallization Behavior and Kinetics of Polylactide/Clay Nanocomposites
D. WU, L. WU, L. WU, B. XU, Y. ZHANG, AND M. ZHANG 1100
Published online 27 March 2007

Nanoindentation of Biodegradable Cellulose Diacetate-*graft*-Poly(L-lactide) Copolymers: Effect of Molecular Composition and Thermal Aging on Mechanical Properties
S.-H. LEE, Y. TERAMOTO, S. WANG, G. M. PHARR, AND T. G. RIALS 1114
Published online 27 March 2007

Volume 45, 2007
Issue 10, May 15, 2007

ARTICLES

Structural and Electrical Properties of Crystals of Substituted Polyaniline
D. T. SESHADRI AND N. V. BHAT 1127
Published online 2 April 2007

Fractionated Crystallization of Polypropylene Droplets Produced by Nanolayer Breakup
Y. JIN, A. HILTNER, AND E. BAER 1138
Published online 4 April 2007

Effect of Monomer Structures and Preparation Methods on the Morphology and Properties of UV Cured Organic–Inorganic Hybrid Films
C.-J. CHANG, M.-S. WU, AND P.-C. KAO 1152
Published online 4 April 2007

Specific Swelling Behaviors of Alkali-Metal Poly(styrene sulfonate) Gels in Aqueous Solvent Mixtures
Y. FUKUNAGA, M. HAYASHI, AND M. SATOH 1166
Published online 4 April 2007

Influence of Preparation Methods on Structure and Properties of PA6/PA66 Blends: A Comparison of Melt-Mixing and *In Situ* Blending
X. C. WANG, Q. ZHENG, AND G. S. YANG 1176
Published online 9 April 2007

Electrically Induced Linear Locomotion of Polymer Gel in Air
S. LIANG, J. XU, L. WENG, L. ZHANG, X. GUO, AND X. ZHANG 1187
Published online 9 April 2007

Elevation of the Glass Transition Temperature in Flexible-Chain Semicrystalline Polymers
C. K. YEE-CHAN, R. C. SCOGNA, AND R. A. REGISTER 1198
Published online 9 April 2007

Rheological Behavior of PET/HDPE *In Situ* Microfibrillar Blends: Influence of Microfibrils' Flexibility
H.-S. XU, Z.-M. LI, S.-J. WANG, AND M.-B. YANG 1205
Published online 9 April 2007

Double Yielding in PA6: Effect of Mold Temperature and Moisture Content
G.-F. SHAN, W. YANG, X.-G. TANG, M.-B. YANG, B.-H. XIE, AND Q. FU 1217
Published online 9 April 2007

Mechanism for Effect of Ultrasound on Polymer Melt in Extrusion
Y. CHEN AND H. LI 1226
Published online 9 April 2007

Relationship Between Fine Structure of Polyoxymethylene Copolymer Plates and Methanol Transport Properties
Y. FUJII AND H. SHEN 1234
Published online 9 April 2007

Volume 45, 2007
Issue 11, June, 2007

HIGHLIGHT

Quantitative Structural Characterization of Polymer–Clay Nanocomposites and Discussion of an "Ideal" Microstructure, Leading to the Highest Mechanical Reinforcement
K. MASENELLI-VARLOT, G. VIGIER, A. VERMOGEN, C. GAUTHIER, AND J. Y. CAVAILLÉ 1243
Published online 13 April 2007

ARTICLES

Aggregative Structure of the 1-Octadecyl-3-methylimidazolium Cation in the Interlayer of Montmorillonite and Its Effect on Polypropylene Melt Intercalation

Y. DING, R. XIONG, S. WANG, AND X. ZHANG 1252

Published online 16 April 2007

Molecular Modeling Study on Surface, Thermal, Mechanical and Gas Diffusion Properties of Chitosan

B. PRATHAB AND T. M. AMINABHAVI 1260

Published online 16 April 2007

Molecular Motion of Polycarbonate Included in γ-Cyclodextrin

Y. PAIK, B. POLIKS, C. C. RUSA, A. E. TONELLI, AND J. SCHAEFER 1271

Published online 16 April 2007

In Situ Formation of Silver Nanoparticles Within an Amphiphilic Graft Copolymer Film

Y. W. KIM, D. K. LEE, K. J. LEE, B. R. MIN, AND J. H. KIM 1283

Published online 16 April 2007

Interfacial Interaction in EVA-Carbon Nanotube and EVA-Clay Nanocomposites

H. E. MILTNER, S. PEETERBROECK, P. VIVILLE, P. DUBOIS, AND B. VAN MELE 1291

Published online 18 April 2007

Structural Transitions of Nanocrystalline Domains in Regioregular Poly(3-Hexyl thiophene) Thin Films

H. YANG, T. JOO SHIN, Z. BAO, AND C. Y. RYU 1303

Published online 18 April 2007

Role of Interfacial Interactions on the Anomalous Swelling of Polymer Thin Films in Supercritical Carbon Dioxide

Y. LI, E. J. PARK, K. T. LIM, K. P. JOHNSTON, AND P. F. GREEN 1313

Published online 18 April 2007

Proton-Conductive Membranes Based on Blends of Polyimides

Y. OKAZAKI, S. NAGAOKA, AND H. KAWAKAMI 1325

Published online 19 April 2007

Micellar Structures of Block-Copolymers with Ordered Cores in Dilute Solution as Studied by Polarized and Depolarized Light Scattering

S. LIN, J. LIN, T. NOSE, AND T. IYODA 1333

Published online 20 April 2007

Isothermal Crystallization Studies of Poly(butylene terephthalate) Composites

A. AL-MULLA, J. MATHEW, AND R. SHANKS 1344

Published online 23 April 2007

Effect of Interface on Thermodynamic Behavior of Liquid Crystalline Type Amphiphilic Di-Block Copolymers
S. A. E. BOYER, J.-P. E. GROLIER, H. YOSHIDA, AND T. IYODA 1354
Published online 23 April 2007

Interplay of Fractionated Crystallization and Morphology in Polypropylene/Poly(ε-caprolactone) Blends
V. BALSAMO AND L. M. GOUVEIA 1365
Published online 23 April 2007

Relaxation Processes in PVAc-HA Nanocomposites
J. KALFUS AND J. JANCAR 1380
Published online 23 April 2007

Volume 45, 2007
Issue 12, June 15, 2007

SPECIAL ISSUE ON FRACTURE AND RELAXATIONS IN SOLID POLYMERS
GUEST EDITOR: CHRISTOPHER L. SOLES

INTRODUCTION

C. L. SOLES 1389
Published online 26 April 2007

ARTICLES

Effect of Molecular Weight and Temperature on Physical Aging of Thin Glassy Poly(2,6-dimethyl-1,4-phenylene oxide) Films
Y. HUANG AND D. R. PAUL 1390
Published online 25 April 2007

Quantitative Approaches to Particle Cavitation, Shear Yielding, and Crazing in Rubber-Toughened Polymers
C. B. BUCKNALL 1399
Published online 9 May 2007

Nanovoid Relaxation in a Series of Copolyester Glasses Under Cyclic Loading Using Synchronous PALS
N. SUN, J. LIU, T. DULL, AND A. F. YEE 1410
Published online 3 May 2007

Specific Essential Work of Fracture of Polyurethane Thin Films with Different Molecular Structures
H. CHEN AND J. WU 1418
Published online 3 May 2007

Mechanical Properties and Inhomogeneous Nanostructures of Dicyandiamide-Cured Epoxy Resins
H. KISHI, T. NAITOU, S. MATSUDA, A. MURAKAMI, Y. MURAJI, AND Y. NAKAGAWA 1425
Published online 3 May 2007

Finite Element Method Parametric Study on Scratch Behavior of Polymers
H. JIANG, G. T. LIM, J. N. REDDY, J. D. WHITCOMB, AND H.-J. SUE 1435
Published online 8 May 2007

Synergistic Effect of SEBS-*g*-MA and Epoxy on Toughening of Polyamide 6/Glass Fiber Composites
X.-L. XIE, Z.-Z. YU, Q.-X. ZHANG, G.-W. ZHENG, AND Y.-W. MAI 1448
Published online 3 May 2007

Effect of Nanoplatelet Dispersion on Mechanical Behavior of Polymer Nanocomposites
W. J. BOO, L. SUN, J. LIU, E. MOGHBELLI, A. CLEARFIELD, H.-J. SUE, H. PHAM, AND N. VERGHESE 1459
Published online 3 May 2007

Epoxies Toughened with Triblock Copolymers
R. M. HYDRO AND R. A. PEARSON 1470
Published online 8 May 2007

Low Dielectric Constant Nanocomposite Thin Films Based on Silica Nanoparticle and Organic Thermosets
Q. LIN, S. A. COHEN, L. GIGNAC, B. HERBST, D. KLAUS, E. SIMONYI, J. HEDRICK, J. WARLAUMONT, H.-J. LEE, AND W.-L. WU 1482
Published online 8 May 2007

Polymorphism of Nylon-6 in Nylon-6/Nanoclay/Functionalized Polyolefin Blends
Y. LI AND X. HU 1494
Published online 9 May 2007

Volume 45, 2007
Issue 13, July 1, 2007

ARTICLES

Nonisothermal Crystallization Behavior of Poly(butylene adipate-*co*-terephthalate)/Clay Nano-biocomposites
F. CHIVRAC, E. POLLET, AND L. AVÉROUS 1503
Published online 16 May 2007

Effect of Gelatin Molecular Charge Heterogeneity on Formation of Intermolecular Complexes and Coacervation Transition
B. MOHANTY, A. GUPTA, H. B. BOHIDAR, AND S. BANDYOPADHYAY 1511
Published online 16 May 2007

Immiscibility, Upper Critical Solution Temperature, and Miscibility in Blends of Poly(vinyl ether)s with Polyacrylics: Effects of Pendant Groups
E. M. WOO AND Y.-T. JUANG 1521
Published online 17 May 2007

Compacted UHMWPE Fiber Composites: Morphology and X-ray Microdiffraction Experiments
L. SHAVIT-HADAR, D. M. REIN, R. KHALFIN, A. E. TERRY, G. W. J. C. HEUNEN, AND Y. COHEN 1535
Published online 17 May 2007

Synthesis and Characteristics of a Novel Silicon-Containing Flame Retardant and Its Application in Poly[2,2-propane-(bisphenol)carbonate]/Acrylonitrile Butadiene Styrene
H. ZHONG, P. WEI, P. JIANG, D. WU, AND G. WANG 1542
Published online 17 May 2007

Miscibility and Surface Segregation in PVC/Polyester Blends—The Influence of Chain Architecture and Composition
A. LINDSTRÖM AND M. HAKKARAINEN 1552
Published online 22 May 2007

Comparison of Different Nucleating Agents on Crystallization of Poly(3-hydroxybutyrate-*co*-3-hydroxyvalerates)
J. QIAN, L. ZHU, J. ZHANG, AND R. S. WHITEHOUSE 1564
Published online 22 May 2007

Characterization of a Self-Oscillating Polymer with Periodic Soluble-Insoluble Changes
M. UEDA, Y. HARA, T. SAKAI, R. YOSHIDA, M. TAKAI, AND Y. ITO 1578
Published online 22 May 2007

Interactions between Metal Chlorides and Poly(vinyl pyrrolidone) in Concentrated Solutions and Solid-State Films
C. HAO, Y. ZHAO, Y. ZHOU, L. ZHOU, Y. XU, D. WANG, AND D. XU 1589
Published online 23 May 2007

A Molecular Dynamics Simulation and Quantum Chemistry Study of Poly(dimethylsiloxane)–Silica Nanoparticle Interactions
J. S. SMITH, O. BORODIN, G. D. SMITH, AND E. M. KOBER 1599
Published online 23 May 2007

Isothermal Crystallization Kinetics of Polypropylene with Silane Functionalized Multi-Walled Carbon Nanotubes
Z. ZHOU, S. WANG, L. LU, Y. ZHANG, AND Y. ZHANG 1616
Published online 22 May 2007

Effect of Cosolvent on Solid Phase Transitions of α- to β-Form Crystal of Syndiotactic Polystyrene Occurred in Supercritical CO_2 Containing Solvent
X. LIAO, J. HE, J. ZHANG, AND W. MA 1625
Published online 22 May 2007

Gas Solubility and Permeability in MFA

P. FOSSATI, A. SANGUINETI, M. G. DE ANGELIS, M. G. BASCHETTI, F. DOGHIERI, AND G. C. SARTI 1637

Published online 22 May 2007

Molecular Dynamics in PVDF/PVA Blends as Revealed by Dielectric Loss Spectroscopy

A. LINARES, A. NOGALES, D. R. RUEDA, AND T. A. EZQUERRA 1653

Published online 22 May 2007

Effect of AlN Content on the Performance of Brominated Epoxy Resin for Printed Circuit Board Substrate

K. C. YUNG, B. L. ZHU, J. WU, T. M. YUE, AND C. S. XIE 1662

Published online 22 May 2007

Crystallization Studies of Poly(trimethylene terephthalate) Using Thermal Analysis and Far-Infrared Spectroscopy

N. VASANTHAN AND M. YAMAN 1675

Published online 22 May 2007

Interpretation of the Polyelectrolyte and Antipolyelectrolyte Effects of Poly(*N*-vinylimidazole-*co*-sodium styrenesulfonate) Hydrogels

J. VALENCIA AND I. F. PIÉROLA 1683

Published online 22 May 2007

Novel Ethero Atoms Containing Polyesters Based on 2,6-Naphthalendicarboxylic Acid: A Comparative Study with Poly(butylene naphthalate)

M. SOCCIO, L. FINELLI, N. LOTTI, V. SIRACUSA, T. A. EZQUERRA, AND A. MUNARI 1694

Published online 22 May 2007

Formation of β-*i*PP in Isotactic Polypropylene/Ethylene–Propylene Rubber Blends: Effects of Preparation Method, Composition, and Thermal Condition

Y. SHANGGUAN, L. ZHAO, L. TAO, AND Q. ZHENG 1704

Published online 22 May 2007

Modeling Hyperelastic Behavior of Rubber: A Novel Invariant-Based and a Review of Constitutive Models

T. BEDA 1713

Published online 23 May 2007

Gas Barrier of Polystyrene Montmorillonite Clay Nanocomposites: Effect of Mineral Layer Aggregation

S. NAZARENKO, P. MENEGHETTI, P. JULMON, B. G. OLSON, AND S. QUTUBUDDIN 1733

Published online 23 May 2007

Erratum • 1754

Published online 23 May 2007

Volume 45, 2007
Issue 14, July 15, 2007

ARTICLES

Competitive Influence of Atactic Polystyrene and Supercritical Carbon Dioxide on the Conformation of Syndiotactic Polystyrene

W.-M. MA, J. YU, AND J.-S. HE 1755
Published online 30 May 2007

Intrinsic Viscosities of Sodium Carboxymethylcellose in Acetonitrile–Water Mixed Solvent Media Using Isoionic Dilution Method

P. NANDI, A. BHATTARAI, AND B. DAS 1765
Published online 30 May 2007

Thermal Analysis of Ring-Opening Metathesis Polymerized Healing Agents

J. K. LEE, X. LIU, S. H. YOON, AND M. R. KESSLER 1771
Published online 30 May 2007

Thermal Properties of Polystyrene Nanocomposites Formed from Rigid Intercalation Agent-Treated Montmorillonite

D.-R. YEI, H.-K. FU, Y.-H. CHANG, S.-W. KUO, J.-M. HUANG, AND F.-C. CHANG 1781
Published online 30 May 2007

Effect of a Sorbitol Nucleating Agent on Fractionated Crystallization of Polypropylene Droplets

Y. JIN, A. HILTNER, AND E. BAER 1788
Published online 5 June 2007

On the Crystallinity Effect on the Gas Sorption in Semicrystalline Linear Low Density Polyethylene (LLDPE)

V. COMPAÑ, L. F. D. CASTILLO, S. I. HERNÁNDEZ, M. M. LÓPEZ-GONZÁLEZ, AND E. RIANDE 1798
Published online 5 June 2007

Properties of a Carbon Filled Cyclic Olefin Copolymer

G. H. MOTLAGH, A. N. HRYMAK, AND M. R. THOMPSON 1808
Published online 5 June 2007

Molecular Modeling of Cellulose in Amorphous State. III. An Innovative Elastomeric Crosslink System

W. CHEN, T. WANG, AND G. C. LICKFIELD 1821
Published online 6 June 2007

Integrated Mechanism for the Morphological Structure Development in HDPE Melt-Blown and Machine-Direction-Oriented Films

A. BAFNA, D. McFADDIN, G. BEAUCAGE, J. MERRICK-MACK, AND F. M. MIRABELLA 1834
Published online 5 June 2007

Glass Transition Temperature of Allyl Methacrylate-*n*-Butyl Acrylate Gradient Copolymers in Dependence on Chemical Composition and Molecular Weight
R. PARÍS AND J. L. DE LA FUENTE 1845
Published online 5 June 2007

Coalescence of Droplets in Viscoelastic Matrix With Diffuse Interface Under Simple Shear Flow
W. YU AND C. ZHOU 1856
Published online 5 June 2007

Effects of Carbon Nanotubes on Crystallization and Melting Behavior of Poly(L-lactide) via DSC and TMDSC Studies
Y.-T. SHIEH AND G.-L. LIU 1870
Published online 5 June 2007

The Effect of Nanoparticle Shape on Polymer-Nanocomposite Rheology and Tensile Strength
S. T. KNAUERT, J. F. DOUGLAS, AND F. W. STARR 1882
Published online 6 June 2007

Phase Equilibria of Polymer Dispersed Liquid Crystal Systems in the Presence of an External Electrical Field
T. CHEN, L. ZHANG, T. LI, J. LIN, AND S. LIN 1898
Published online 5 June 2007

Linear Viscoelastic Behavior of Chitosan Films As Influenced by Changes in the Biopolymer Structure
J. A. L. DA SILVA AND C. A. N. S. SANTOS 1907
Published online 5 June 2007

Volume 45, 2007
Issue 15, July 15, 2007

HIGHLIGHT

Crystallization Kinetical and Morphological Peculiarities in Binary Crystalline/Crystalline Polymer Blends
J. LIU AND B.-J. JUNGNICKEL 1917
Published online 12 June 2007

ARTICLES

Calorimetry in Nonstandard Conditions: The Noncrystalline Phases of Linear Polyethylene
I. JEDIDI, Z. FERHAT-HAMIDA, AND G. DELMAS 1932
Published online 15 June 2007

Orientation of Uniaxially Stretched Poly(ethylene naphthalene 2,6-dicarboxylate) Films by Polarized Infrared Spectroscopy
C. HAKME, I. STEVENSON, A. VOICE, G. LESPINASSE, G. SEYTRE, AND L. DAVID 1950
Published online 12 June 2007

Lamellar Structural Changes in Miscible Crystalline Polymer Blends During Melting and Crystallization Processes, as Studied by Real-Time Small-Angle X-Ray Scattering Measurements
A. KAITO, M. SHIMOMURA, M. AKABA, AND S. NOJIMA 1959
Published online 12 June 2007

Poly(propylene imine) Dendrimers as Plasticizers for Polyvinyl Chloride
B. M. TANDE, N. J. WAGNER, AND Y. H. KIM 1970
Published online 12 June 2007

Chemical Modification of Polyamide-6 by Chain Extension with 2,2′-Bis(2-oxazoline)
C. LU, T. CHEN, X. ZHAO, X. REN, AND X. CAI 1976
Published online 12 June 2007

Comparison of Ground and Excited State Polarizabilities of Thiophene, Cyclopentadiene, and Fulvene Oligomers and Their Cyano Substituted Derivatives—*Ab Initio* Study
S. FERDOUS AND J. B. LAGOWSKI 1983
Published online 15 June 2007

Solubility and Diffusivity of Methylmethacrylate and Butylacrylate Monomers in a MMA–BA Copolymer
Y. YUREKLI, S. A. ALTINKAYA, AND J. M. ZIELINSKI 1996
Published online 18 June 2007

Water Vapor Sorption and Diffusion in Sulfonated Aromatic Polyamides
M. S. VICENTE, J. C. GOTTIFREDI, J. G. DE LA CAMPA, A. E. LOZANO, AND J. DE ABAJO 2007
Published online 15 June 2007

Inverse Gas Chromatographic Characterization of Triblock Copolymer of Polystyrene–Poly(ethylene oxide)–Polystyrene
Q.-C. ZOU AND L.-M. WU 2015
Published online 15 June 2007

Effects of Elastomer on Morphology, Flammability and Rheological Properties of HIPS/PS-encapsulated $Mg(OH)_2$ Composites
S. CHANG, T. XIE, AND G. YANG 2023
Published online 15 June 2007

Analysis of Swelling Process of Protein by Positron Annihilation Lifetime Spectroscopy and Differential Scanning Calorimetry
Y. AKIYAMA, Y. SHIBAHARA, S.-I. TAKEDA, Y. IZUMI, Y. HONDA, S. TAGAWA, AND S. NISHIJIMA 2031
Published online 21 June 2007

Surface-Treated and Multilayered Poly(ε-caprolactone) Nanofiber Webs Exhibiting Enhanced Hydrophilicity

G. KIM, J. PARK, AND S. PARK 2038

Published online 15 June 2007

Effect of Different Reaction Parameters on the Conductivity and Dielectric Properties of Polyaniline Synthesized Electrochemically and Modeling of Conductivity Against Reaction Parameters Through Regression Analysis

S. BHADRA, N. K. SINGHA, S. CHATTOPADHYAY, AND D. KHASTGIR 2046

Published online 18 June 2007

Surface Plasmon Resonance as a Tool for the Estimation of Adsorbed Polymeric Layer Characteristics: Theoretical Considerations and Experiment

A. G. KOUTSIOUBAS, N. SPILIOPOULOS, D. L. ANASTASSOPOULOS, A. A. VRADIS, AND G. D. PRIFTIS 2060

Published online 18 June 2007

Effect of Blend Composition on Diffusivity and Solubility of Small Molecules in Polystyrene/Poly(vinyl methyl ether) Blends

J. ROMÁN GALDÁMEZ, L. V. SERNA, J. LARRY DUDA, AND R. P. DANNER 2071

Published online 18 June 2007

Gas Permeability and Selectivity of Benzophenone Aromatic Isophthalic Copolyamides

C. CARRERA-FIGUEIRAS AND M. AGUILAR-VEGA 2083

Published online 18 June 2007

Graphitic Nanofillers in PMMA Nanocomposites—An Investigation of Particle Size and Dispersion and Their Influence on Nanocomposite Properties

T. RAMANATHAN, S. STANKOVICH, D. A. DIKIN, H. LIU, H. SHEN, S. T. NGUYEN, AND L. C. BRINSON 2097

Published online 18 June 2007

Volume 45, 2007
Issue 16, August 15, 2007

ARTICLES

Peeling of Polydimethylsiloxane Adhesives: The Case of Adhesive Failure

C. VERDIER AND G. RAVILLY 2113

Published online 26 June 2007

Theoretical Modeling of the Relationship between Young's Modulus and Formulation Variables for Segmented Polyurethanes

V. V. GINZBURG, J. BICERANO, C. P. CHRISTENSON, A. K. SCHROCK, AND A. Z. PATASHINSKI 2123

Published online 5 July 2007

The Compatibilization Effect of Ethylene/Styrene Interpolymer on Polystyrene/Polyethylene Blends
W. TANG, J. TANG, H. YUAN, AND R. JIN 2136
Published online 26 June 2007

Conductive ATO-Acrylate Nanocomposite Hybrid Coatings: Experimental Results and Modeling
V. A. SOLOUKHIN, J. C. M. BROKKEN-ZIJP, AND G. DE WITH 2147
Published online 6 July 2007

Molecular Dynamics Study of Polymer Crystallization in the Presence of a Particle
D. ZHANG AND H. MEYER 2161
Published online 28 June 2007

Poly(L-lactide)/C_{60} Nanocomposites: Effects of C_{60} on Crystallization of Poly(L-lactide)
H. TSUJI, Y. KAWASHIMA, AND H. TAKIKAWA 2167
Published online 28 June 2007

Variable Temperature ^{19}F Solid-State NMR Study of the Effect of Electrostatic Interactions on Thermally-Stimulated Molecular Motions in Perfluorosulfonate Ionomers
K. A. PAGE, W. JARRETT, AND R. B. MOORE 2177
Published online 28 June 2007

Rheology and Interdiffusion in Miscible Blends of a Low Molar Mass Liquid Crystal and Bisphenol A–Polycarbonate
N. MOTONG, N. CLARKE, R. L. THOMPSON, S. A. COLLINS, AND S. THONGYAI 2187
Published online 2 July 2007

Insight Into Chain Dimensions in PEO/Water Solutions
B. HAMMOUDA AND D. L. HO 2196
Published online 2 July 2007

Melting and Crystallization Behavior of Polyhedral Oligomeric Silsesquioxane-Capped Poly(ε-caprolactone)
Y. NI AND S. ZHENG 2201
Published online 2 July 2007

Mechanical, Thermomechanical, and Thermal Properties of Polystyrene Crosslinked with a Multifunctional Zirconium Oxo Cluster
F. R. KOGLER, T. KOCH, H. PETERLIK, S. SEIDLER, AND U. SCHUBERT 2215
Published online 2 July 2007

Theoretical Consideration on the Glass Transition Behavior of Polymer Nanocomposites
K. JU LEE, D. KYOUNG LEE, Y. WOO KIM, WOO-SEOK CHOE, AND J. HAK KIM 2232
Published online 2 July 2007

Rheology of Multi-Walled Carbon Nanotube/Poly(butylene terephthalate) Composites
D. WU, L. WU, AND M. ZHANG 2239
Published online 2 July 2007

Molecular Weight Dependence of Polystyrene Segmental Dynamics in Dilute Blends with Poly(vinyl methyl ether)
L. ZHANG, T. R. LUTZ, J. ZHAO, AND M. D. EDIGER 2252
Published online 2 July 2007

Propylene Sorption and Coordinative Interactions for Poly(*N*-vinyl pyrrolidone-*co*-vinyl acetate)/Silver Salt Complex Membranes
S. H. JOO, J. H. KIM, S. W. KANG, J. JANG, AND Y. S. KANG 2263
Published online 2 July 2007

Influence of Sample Preparation and Processing on Observed Glass Transition Temperatures of Polymer Nanocomposites
C. HUB, S. E. HARTON, M. A. HUNT, R. FINK, AND H. ADE 2270
Published online 2 July 2007

Composition Dependence of Nanophase-Separated Structures Formed by Star-Shaped Terpolymers of the $A_{1.0}B_{1.0}C_X$ Type
A. TAKANO, W. KAWASHIMA, S. WADA, K. HAYASHIDA, S. SATO, S. KAWAHARA, Y. ISONO, M. MAKIHARA, N. TANAKA, D. KAWAGUCHI, AND Y. MATSUSHITA 2277
Published online 2 July 2007

Silica Nanoparticle Dispersions in Homopolymer Versus Block Copolymer
Q. LAN, L. F. FRANCIS, AND F. S. BATES 2284
Published online 2 July 2007

Attapulgite and Ultrasonic Oscillation Induced Crystallization Behavior of Polypropylene
L. ZHAO, Q. DU, G. JIANG, AND S. GUO 2300
Published online 2 July 2007

Influence of Inorganic Fullerene-Like WS_2 Nanoparticles on the Thermal Behavior of Isotactic Polypropylene
M. NAFFAKH, Z. MARTÍN, N. FANEGAS, C. MARCO, M. A. GÓMEZ, AND I. JIMÉNEZ 2309
Published online 2 July 2007

Steered Molecular Dynamics Simulation of Elastic Behavior of Adsorbed Single Polyethylene Chains
Y. WANG AND L. ZHANG 2322
Published online 2 July 2007

Volume 45, 2007
Issue 17, September 1, 2007

ARTICLES

Systematic Study of the Fluorescence Decays of Amino-Coumarin Dyes in Polymer Matrices
N. FELORZABIHI, J. C. HALEY, G. R. BARDAJEE, AND M. A. WINNIK 2333
Published online 11 July 2007

Shear-Enhanced Crystallization of a Thermoplastic Polyimide Derived from 3,3′,4,4′-Oxydiphthalic Dianhydride and 4,4′-Oxydianiline
G. ZHAO, M. ZHANG, Y. MEN, M. DING, AND W. JIANG 2344
Published online 20 July 2007

Influence of Organic Modifiers on Morphology and Crystallization of Poly(ε-caprolactone)/ Synthetic Clay Intercalated Nanocomposites
A. KIERSNOWSKI, J. S. GUTMANN, AND J. PIGŁOWSKI 2350
Published online 20 July 2007

Vapor-Induced Spreading Dynamics of Adsorbed Linear and Brush-Like Macromolecules as Observed by Environmental SFM: Polymer Chain Statistics and Scaling Exponents
M. O. GALLYAMOV, B. TARTSCH, P. MELA, I. I. POTEMKIN, S. S. SHEIKO, H. BÖRNER, K. MATYJASZEWSKI, A. R. KHOKHLOV, AND M. MÖLLER 2368
Published online 20 July 2007

Stereocomplex Formation Between Enantiomeric Poly(α-methyl-α-ethyl-β-propiolactones): Effect of Molecular Weight
C. FRASCHINI, A. PENNORS, AND R. E. PRUD'HOMME 2380
Published online 20 July 2007

Enhancement of Wettability in Low Density Polyethylene Films Using Low Pressure Glow Discharge N_2 Plasma
R. M. SANCHIS, O. CALVO, L. SÁNCHEZ, D. GARCÍA, AND R. BALART 2390
Published online 20 July 2007

Free-Volume and Crystallinity in Low Molecular Weight Poly(ethylene oxide)
J. C. MACHADO, G. G. SILVA, F. C. DE OLIVEIRA, R. L. LAVALL, J. RIEUMONT, P. LICINIO, AND D. WINDMÖLLER 2400
Published online 20 July 2007

Physicochemical Studies on Hydrophobic PEO-PPO-PEO Triblock Copolymer Micelles in SDS Micellar Environment
J. JAMES, C. RAMALECHUME, AND A. B. MANDAL 2410
Published online 20 July 2007

Gas Transport in Surface Grafted Polypropylene Films with Poly(acrylic acid) Chains
V. COSTAMAGNA, M. STRUMIA, M. LÓPEZ-GONZÁLEZ, AND E. RIANDE 2421
Published online 20 July 2007

Characterization of Electron Beam Irradiation Blends Based on Metallocene Ethylene-1-Octene Copolymer
M. A. CÁRDENAS, N. VILLARREAL, I. GOBERNADO-MITRE, J. C. MERINO, AND J. M. PASTOR 2432
Published online 24 July 2007

Surface Energetics, Dispersion, and Nanotribomechanical Behavior of POSS/PP Hybrid Nanocomposites
R. MISRA, B. X. FU, AND S. E. MORGAN 2441
Published online 24 July 2007

High Melting Thermoplastic/Epoxy Resin Blends: Influence of the Curing Reaction on the Crystallization and Melting Behavior
S. GOOSSENS AND G. GROENINCKX 2456
Published online 24 July 2007

Sorption and Diffusion of Normal Alkanes Through Poly(Ethylene-*co*-vinyl acetate) Membranes
S. A. KUMAR, M. G. KUMARAN, AND S. THOMAS 2470
Published online 24 July 2007

Diglycidyl Ether of Bisphenol-A Epoxy Resin Modified Using Poly(ether ether ketone) with Pendent *tert*-Butyl Groups
B. FRANCIS, S. THOMAS, R. SADHANA, N. THUAUD, R. RAMASWAMY, S. JOSE, AND V. L. RAO 2481
Published online 26 July 2007

Measurement of Gas Solubility in Linear/Branched PP Melts
G. LI, J. WANG, C. B. PARK, AND R. SIMHA 2497
Published online 26 July 2007

Molecular Orientation Study of Uniaxially Drawn Nafion Polymer Electrolyte Membranes Utilizing Polarized UV–Raman Spectra
N. CHOURDAKIS AND G. A. VOYIATZIS 2509
Published online 26 July 2007

Volume 45, 2007
Issue 18, September 15, 2007

ARTICLES

Temperature and Pressure Dependence of the Free Volume in the Perfluorinated Polymer Glass CYTOP: A Positron Lifetime and Pressure-Volume-Temperature Study
G. DLUBEK, J. PIONTECK, M. SNIEGOCKA, E. M. HASSAN, AND R. KRAUSE-REHBERG 2519
Published online 2 August 2007

Charge Transport Properties in Carbon Black/Polymer Composites
G. C. PSARRAS 2535
Published online 2 August 2007

Fractionation and Characterization of a Protein–Polysaccharide Complex from *Pleurotus tuberregium* Sclerotia
Y. TAO, F. YAN, AND L. ZHANG 2546
Published online 2 August 2007

Microrheological Studies of Regenerated Silk Fibroin Solution by Video Microscopy
A. RAGHU, R. SOMASHEKAR, AND S. ANANTHAMURTHY 2555
Published online 3 August 2007

Deformation and Fracture Behavior of High-Energy Electron Irradiated Poly(vinylidene fluoride-trifluorethylene) Ferroelectric Copolymer Films Under Uniaxial Tension
F. FANG, W. YANG, M. Z. ZHANG, AND Z. WANG 2563
Published online 3 August 2007

Influence of the Draw Ratio on the Tensile and Fracture Behavior of NMMO Regenerated Silk Fibers
P. CORSINI, J. PEREZ-RIGUEIRO, G. V. GUINEA, G. R. PLAZA, M. ELICES, E. MARSANO, M. M. CARNASCIALI, AND G. FREDDI 2568
Published online 3 August 2007

Miscibility and Crystallization Behavior in Blends of Poly(methyl methacrylate) and Poly(vinylidene fluoride): Effect of Star-Like Topology of Poly(methyl methacrylate) Chain
W. FAN AND S. ZHENG 2580
Published online 6 August 2007

Nonlinear Rheological Behavior of Silica Filled Solution-Polymerized Styrene Butadiene Rubber
J. SUN, Y. SONG, Q. ZHENG, H. TAN, J. YU, AND H. LI 2594
Published online 3 August 2007

Opposite Trends in Thermodynamic Compatibility Between Copolyamide and Chitosan in their Binary Blend
A. P. SAFRONOV, A. I. SUVOROVA, I. S. TYUKOVA, AND Y. A. SMIRNOVA 2603
Published online 3 August 2007

Morphological Development and Rheological Changes of Phenoxy/SAN Blends During *In-Situ* Polymerization
Q. GUO, P. ARENDS, R. THOMANN, R. J. SPONTAK, AND W. GRONSKI 2614
Published online 6 August 2007

Dual Mode Model for Mixed Gas Permeation of CO_2, H_2, and N_2 Through a Dry Chitosan Membrane
L. A. EL-AZZAMI AND E. A. GRULKE 2620
Published online 3 August 2007

Crystal Density and Heat of Fusion for a Stereo-Complex of Poly(L-Lactic acid) and Poly(D-Lactic acid)
D. SAWAI, Y. TSUGANE, M. TAMADA, T. KANAMOTO, M. SUNGIL, AND S.-H. HYON 2632
Published online 6 August 2007

Isothermal Crystallization Kinetics and Spherulitic Morphology of Poly(4-hydroxybutyric acid-*alt*-glycolic acid)
M. MARTÍNEZ-PALAU, L. FRANCO, J. PUIGGALÍ, AND G. UNGAR 2640
Published online 6 August 2007

Volume 45, 2007
Issue 19, October 1, 2007

ARTICLES

Cationic Poly(methacryl oxyethyl trimethylammonium) and Its Poly(ethylene glycol)-Grafted Analogue as Capillary Coating Materials in Electrophoresis

S. K. WIEDMER, T. ANDERSSON, M. SÜNDERMANN, M.-L. RIEKKOLA, AND H. TENHU 2655

Published online 20 August 2007

Facile Green Strategy for Micro/Nano Structured Conducting Polyaniline-Clay Nanocomposite via Template Polymerization Using Amphiphilic Dopant, 3-Pentadecyl Phenol 4-Sulphonic Acid

J. D. SUDHA, V. L. REENA, AND C. PAVITHRAN 2664

Published online 20 August 2007

Study on the β to α Transformation of Polypropylene Crystals in Compatibilized Blend of Polypropylene/Polyamide-6

R. H. ZHANG, D. SHI, S. C. TJONG, AND R. K. Y. LI 2674

Published online 20 August 2007

DC Conductivity and Spectroscopic Characterization of Binary Dopant (ZrO_2/AgI)-Doped Polyaniline

S. AMEEN, V. ALI, M. ZULFEQUAR, M. M. HAQ, AND M. HUSAIN 2682

Published online 21 August 2007

Solidification of Syndiotactic Polystyrene by a Continuous Cooling Transformation Approach

V. LA CARRUBBA, S. PICCAROLO, AND V. BRUCATO 2688

Published online 21 August 2007

Changes in Electrical Resistance of Carbon-Black-Filled Silicone Rubber Composite During Compression

T. DING, L. WANG, AND P. WANG 2700

Published online 22 August 2007

Crystal Forms and Ferroelectric Properties of Poly(vinylidene fluoride)/Polyamide 11 Blends Prepared by High-Shear Processing

Y. LI, H. SHIMIZU, T. FURUMICHI, Y. TAKAHASHI, AND T. FURUKAWA 2707

Published online 22 August 2007

Morphology Investigation on High-Pressure Crystallized Bisphenol-A Polycarbonate/Dioctyl Phthalate Blends

J. LU, R. HUANG, AND I.-K. OH 2715

Published online 22 August 2007

A Simple Approach to Determine the Equilibrium Shape and Position of Sandwiched Polymer Droplets

D. C. HYUN, U. JEONG, AND D. Y. RYU 2729
Published online 23 August 2007

Structure and Gas Permeability of Asymmetric Polyimide Membranes Made by Dry–Wet Phase Inversion: Influence of Alcohol as Casting Solution

M. MIKAWA, N. SEKI, S. NAGAOKA, AND H. KAWAKAMI 2739
Published online 23 August 2007

Waterborne Trifunctionalsilane-Terminated Polyurethane Nanocomposite With Silane-Modified Clay

S. SUBRAMANI, J.-Y. LEE, S.-W. CHOI, AND J. H. KIM 2747
Published online 23 August 2007

Rheological Properties of HyperMacs—Long-Chain Branched Analogues of Hyperbranched Polymers

J. M. DODDS, E. DE LUCA, L. R. HUTCHINGS, AND N. CLARKE 2762
Published online 27 August 2007

Polylactide Compositions. II. Correlation Between Morphology and Main Properties of PLA/Calcium Sulfate Composites

M. PLUTA, M. MURARIU, A. DA SILVA FERREIRA, M. ALEXANDRE, A. GALESKI, AND P. DUBOIS 2770
Published online 27 August 2007

Synthesis and Characterization of an Epoxy Based Thermoset Containing a Fluorinated Thermoplastic

M. E. PENOFF, G. PAPAGNI, M. J. YAÑEZ, P. E. MONTEMARTINI, AND P. A. OYANGUREN 2781
Published online 28 August 2007

New Technique of Processing Highly Oriented Poly(vinylidene fluoride) Films Exclusively in the β Phase

M. C. BRANCIFORTI, V. SENCADAS, S. LANCEROS-MENDEZ, AND R. GREGORIO, JR. 2793
Published online 28 August 2007

Dielectric and Thermal Characterization of Low Density Ethylene/10-undecen-1-ol Copolymers Prepared with Nickel Catalysts

M. T. VICIOSA, C. RODRIGUES, S. FERNÁNDEZ, I. MATOS, M. M. MARQUES, M. T. DUARTE, J. F. MANO, AND M. DIONÍSIO 2802
Published online 28 August 2007

Volume 45, 2007
Issue 20, October 15, 2007

LETTER

Templated Nanostructured PS-*b*-PEO Nanotubes
J.-T. CHEN, M. ZHANG, L. YANG, M. COLLINS, J. PARKS, A. AVALLONE, AND T. P. RUSSELL 2912
Published online 5 September 2007

ARTICLES

Nanostructure and Properties of Sulfonated Polyarylenethioethersulfone Copolymers as Proton Exchange Fuel Cell Membranes
M. YOONESSI, Z. BAI, AND T. D. DANG 2813
Published online 31 August 2007

Tracer Diffusion Properties of Core–Shell Latex Films Studied by Photoinduced Grating Relaxation
K. I. SURESH, A. VENIAMINOV, AND E. BARTSCH 2823
Published online 29 August 2007

Liquid Crystalline Epoxides with Long Lateral Substituents: Mechanical and Thermal Properties
Y. ZHENG, M. LU, S. REN, L. LIANG, AND Y. LAN 2835
Published online 29 August 2007

Breadth of Glass Transition Temperature in Styrene/Acrylic Acid Block, Random, and Gradient Copolymers: Unusual Sequence Distribution Effects
C. L. H. WONG, J. KIM, AND J. M. TORKELSON 2842
Published online 29 August 2007

Unique Structural Characteristics of Nematic Ordered Cellulose—Stability in Water and Its Facile Transformation
E. TOGAWA AND T. KONDO 2850
Published online 31 August 2007

Thermorheological Complexity of Poly(methyl methacrylate)/Poly(vinylidene fluoride) Miscible Polymer Blend: Terminal and Segmental Levels
S. S. ES-HAGHI, A. A. YOUSEFI, AND A. OROMIEHIE 2860
Published online 5 September 2007

Preliminary Evaluation of Sulfonated Poly(ether ether ketone)/Monoethanolamine/Adipic Acid Composite Membranes for Direct Methanol Fuel Cell Applications
S. ZHONG, X. CUI, H. CAI, T. FU, AND H. NA 2871
Published online 5 September 2007

Synthesis and Electrochemical Behavior of Linear Oligo(ferrocenylsilane) and Hyperbranched Poly(ferrocenylsilane)
J. HUO, L. WANG, H.-J. YU, L.-B. DENG, J.-F. ZHOU, AND Q. YANG 2880
Published online 5 September 2007

Microcellular Processing and Relaxation of Poly(ether ether ketone)
D. WANG, H. GAO, W. JIANG, AND Z. JIANG 2890
Published online 5 September 2007

Comparison of Glass Transition and Interpretation on Miscibility in Blends of Amorphous Poly(vinyl methyl ether) With Highly Crystallizable Versus Less-Crystallizable Polyesters
W.-J. CHIANG AND E. M. WOO 2899
Published online 5 September 2007

A Photon Transmission Study for Film Formation From Poly(vinyl acetate) Latex Particles With Different Molecular Weights
E. ARDA, S. KARA, AND Ö. PEKCAN 2918
Published online 5 September 2007

Volume 45, 2007
Issue 21, November 1, 2007

ARTICLES

Effect of Supercritical Carbon Dioxide on the Crystallization Behavior of Poly(ether ether ketone)
D. WANG, H. GAO, W. JIANG, AND Z. JIANG 2927
Published online 14 September 2007

Synthesis, Characterization, and Investigation of Structure-Thermal Cycloimidization Relationship of Novel Poly(amide amic acid)s to Poly(amide imide)s by Thermogravimetric Analysis
D. J. MOHAN AND A. V. R. REDDY 2937
Published online 21 September 2007

Crystallization and Phase Morphology of Injection-Molded Isotactic Polypropylene (iPP)/Syndiotactic Polypropylene (sPP) Blends
X.-X. ZOU, W. YANG, G.-Q. ZHENG, B.-H. XIE, AND M.-B. YANG 2948
Published online 21 September 2007

Fractionation of Ethylene/1-Pentene Copolymers Using a Combination of SEC-FTIR and SEC-HPer DSC
N. LURULI, T. PIJPERS, R. BRÜLL, V. GRUMEL, H. PASCH, AND V. MATHOT 2956
Published online 21 September 2007

Cure Temperature Influence on Natural Rubber—A Small Angle X-ray Scattering Study
W. SALGUEIRO, A. SOMOZA, I. L. TORRIANI, AND A. J. MARZOCCA 2966
Published online 24 September 2007

Preparation and Properties of the Biodegradable Graded Blend of Poly(L-lactic acid) and Poly(ethylene oxide)
Y. AGARI, K. SAKAI, Y. KANO, AND R. NOMURA 2972
Published online 24 September 2007

Static and Shear Induced Crystallization of Glass Fiber Reinforced Poly(*m*-xylylene adipamide) with Nucleating Additives
S. NAUDY AND R. FULCHIRON 2982
Published online 24 September 2007

Focused Ion Beam Micromachining and Computation of Polymeric Photonic Band Gap
E. PIALAT, T. TRIGAUD, J. P. MOLITON, AND M. THÉVENOT 2993
Published online 24 September 2007

Phase Equilibrium and Charge Fractionation in Polyelectrolyte Solutions
I. ERUKHIMOVICH AND M. O. DE LA CRUZ 3003
Published online 24 September 2007

Volume 45, 2007
Issue 22, November 15, 2007

ARTICLES

Rhythmic Growth of Ring-Banded Spherulites in Blends of Liquid Crystalline Methoxy-Poly(aryl ether ketone) and Poly(aryl ether ether ketone)
J. CHEN AND D. YANG 3011
Published online 5 October 2007

Effect of Temperature and Membrane Preparation Parameters on Gas Permeation Properties of Polymethacrylates
S. A. GÜLMÜS AND L. YILMAZ 3025
Published online 5 October 2007

Evidences of Phase Separation in Moisture-Cured Poly(urethane urea)s by Means of Temperature Modulated Differential Scanning Calorimetry
A. L. DANIEL-DA-SILVA, J. C. M. BORDADO, AND J. M. MARTÍN-MARTÍNEZ 3034
Published online 5 October 2007

Micromechanisms Involved in the Atypical Tensile Behavior Observed in Polyamide 11 at High Temperature
E. ROGUET, S. TENCÉ-GIRAULT, S. CASTAGNET, J. C. GRANDIDIER, AND G. HOCHSTETTER 3046
Published online 8 October 2007

Solid State NMR Characterization of Formation of Poly(ε-Caprolactone)/Maghnite Nanocomposites by *In Situ* Polymerization

M. HAOUAS, A. HARRANE, M. BELBACHIR, AND F. TAULELLE 3060

Published online 8 October 2007

Effect of Preparation Method on Nanoscopic Structure of Conductive SBS/PANI Blends: Study Using Small-Angle X-ray Scattering

F. G. SOUZA, JR. B. G. SOARES, AND K. DAHMOUCHE 3069

Published online 8 October 2007

Effects of Thermal Volume Expansion on Positive Temperature Coefficient Effect for Carbon Black Filled Polymer Composites

L. SHEN, Z. D. LOU, AND Y. J. QIAN 3078

Published online 9 October 2007

Preparation of Poly(ethylene terephthalate)/Organoclay Nanocomposites Using a Polyester Ionomer as a Compatibilizer

S. E. VIDOTTI, A. C. CHINELLATO, G.-H. HU, AND L. A. PESSAN 3084

Published online 9 October 2007

Volume 45, 2007
Issue 23, December 1, 2007

ARTICLES

The Theory of Nonrandom Polycondensation for the Description of Sol–Gel Polymerization of Alkoxisilanes

K. V. TARASEVICH AND S. I. KUCHANOV 3093

Published online 19 October 2007

Shear Damping Function Measurements for Branched Polymers

D. A. VEGA AND S. T. MILNER 3117

Published online 19 October 2007

Rheological Properties and Crystallization Behavior of Multi-Walled Carbon Nanotube/Poly(ε-caprolactone) Composites

D. WU, L. WU, Y. SUN, AND M. ZHANG 3137

Published online 22 October 2007

Self-Decelerated Crystallization in Poly(butylene terephthalate)/poly(ε-caprolactone) Blends

M. L. D. LORENZO AND M. C. RIGHETTI 3148

Published online 22 October 2007

Effect of Substituent Polarity, Bulk, and Substitution Site Toward Enhancing Gas Permeation in Dibromohexafluorobisphenol-A Based Polyarylates

Y. S. BHOLE, P. B. KARADKAR, AND U. K. KHARUL 3156

Published online 22 October 2007

Volume Changes Under Strain Resulting From the Incorporation of Rubber Granulates Into a Rubber Matrix

P. KUMAR, Y. FUKAHORI, A. G. THOMAS, AND J. J. C. BUSFIELD 3169

Published online 22 October 2007

Supramolecular Polymer/Metal Salt Complexes Containing Quadruple Hydrogen Bonding Units

K. J. LEE, Y. W. KIM, J. H. KOH, AND J. H. KIM 3181

Published online 22 October 2007

Melt Rheology of Polylactide/Montmorillonite Nanocomposites

S.-Y. GU, J. REN, AND B. DONG 3189

Published online 22 October 2007

Thermal Monitoring of Morphology in Triblock Terpolymers with Crystallizable Blocks

A. BOSCHETTI-DE-FIERRO, D. FIERRO, J. ALBUERNE, S. S. FUNARI, AND V. ABETZ 3197

Published online 22 October 2007

Frequency Dependence of Hysteresis Associated with the Electromechanical Performance of PVDF Film

O. R. HUGHES 3207

Published online 23 October 2007

LETTER

A Novel Method to Characterize the Compatibilizer Effect in Polymer Blend

C.-Y. LIU 3215

Published online 23 October 2007

Volume 45, 2007
Issue 24, December 15, 2007

THE AMERICAN PHYSICAL SOCIETY DIVISION OF POLYMER PHYSICS SPECIAL ISSUE
GUEST EDITORS: YUEH-LIN LOO AND JAN GENZER

INTRODUCTION

YUEH-LIN (LYNN) LOO AND JAN GENZER 3221

Published online 30 October 2007

VIEWPOINTS

Yet Another Visit to the Melting of Polyethylene Crystals

B. CRIST 3231

Published online 30 October 2007

Field-Theoretic Simulations of Polyelectrolyte Complexation
Y. O. POPOV, J. LEE, AND G. H. FREDRICKSON 3223
Published online 30 October 2007

Open Questions about Polymer Friction
J. S. WONG AND S. GRANICK 3237
Published online 30 October 2007

Looking Inside the Entanglement "Tube" Using Molecular Dynamics Simulations
R. G. LARSON 3240
Published online 30 October 2007

Polydisperse Block Copolymers: Don't Throw Them Away
M. A. HILLMYER 3249
Published online 30 October 2007

Polymer Nanocomposites
R. KRISHNAMOORTI AND R. A. VAIA 3252
Published online 30 October 2007

Why Should Polymer Physicists Study Biopolymers?
A. M. DONALD 3257
Published online 30 October 2007

ARTICLES

Morphology of Side Chain Liquid Crystalline Block Copolymer Thin Films and Effects of Thermal Annealing
E. VERPLOEGEN, D. BOONE JR., AND P. T. HAMMOND 3263
Published online 30 October 2007

Effects of Structural Imperfections on the Dynamic Mechanical Response of Main-Chain Smectic Elastomers
H. P. PATIL AND R. C. HEDDEN 3267
Published online 30 October 2007

Mechanical Hole Burning Spectroscopy in an SIS Tri-Block Copolymer
Q. QIN, X. SHI, AND G. B. MCKENNA 3277
Published online 1 November 2007

Phase Behavior Predictions for Polymer Blends Containing Reversibly Associating Endgroups
M. ANTHAMATTEN 3285
Published online 1 November 2007

Dendritic Growth of Poly(ε-Caprolactone) Crystals from Compatible Blends with Poly(t-Butyl Acrylate) at the Air/Water Interface
B. LI, H. MARAND, AND A. R. ESKER 3300
Published online 1 November 2007

Conformation of a Polymer Chain in Explicit Solvent: A Solvation Potential Approach
M. P. TAYLOR AND S. ICHIDA 3319
Published online 1 November 2007

Shape Instabilities in Adsorbed Polymer Condensates
G. G. PEREIRA AND S. K. PATTANAYEK 3327
Published online 1 November 2007

Control of the Block Copolymer Morphology in Templated Epoxy Thermosets
T. J. HERMEL-DAVIDOCK, H. SEAN TANG, D. J. MURRAY, AND S. F. HAHN 3338
Published online 1 November 2007

Influence of Stereoerrors on the Formation of Helices During Early Stage Crystallization of Isotactic Polyproyplene
X. CHEN, R. OZISIK, S. K. KUMAR, AND P. CHOI 3349
Published online 1 November 2007

Deformation and Adhesive Contact of Elastomeric Membranes
A. L. FLORY, D. A. BRASS, AND K. R. SHULL 3361
Published online 2 November 2007

Pressure Relaxation of Polystyrene and Its Comparison to the Shear Response
Y. MENG AND S. L. SIMON 3375
Published online 2 November 2007

The Role of Polydispersity in the Lamellar Mesophase of Model Diblock Copolymers
N. A. LYND, B. D. HAMILTON, AND M. A. HILLMYER 3386
Published online 2 November 2007

OBITUARY

H. L. FRISCH 3394
Published online 2 November 2007

Combined Author Index Volume 45 • 3397

Combined Subject Index Volume 45 • 3451

Volume Contents • I